

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6772660

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNOR NAME previously recorded on Reel 052853 Frame 0153. Assignor(s) hereby confirms the SECURITY INTEREST GRANTED PURSUANT TO THE PATENT SECURITY AGREEMENT PREVIOUSLY RECORDED.
RESUBMIT DOCUMENT ID:	506581619

CONVEYING PARTY DATA

Name	Execution Date
LIFEPORT SCIENCES LLC	06/04/2020

RECEIVING PARTY DATA

Name:	STARBOARD VALUE INTERMEDIATE FUND LP, AS COLLATERAL AGENT
Street Address:	777 THIRD AVENUE
Internal Address:	18TH FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10017

PROPERTY NUMBERS Total: 25

Property Type	Number
Patent Number:	6673103
Patent Number:	7806857
Patent Number:	7297156
Patent Number:	6030413
Patent Number:	6221102
Patent Number:	6517573
Patent Number:	7147662
Patent Number:	7998194
Patent Number:	7135037
Patent Number:	7226474
Patent Number:	9107743
Patent Number:	8211166
Patent Number:	5788626
Patent Number:	6165211
Patent Number:	RE40122
Patent Number:	6156064

PATENT

Property Type	Number
Patent Number:	8192482
Patent Number:	7942919
Patent Number:	6402779
Patent Number:	6187054
Patent Number:	6443981
Patent Number:	6605119
Patent Number:	6030414
Patent Number:	6524334
Application Number:	09637505

CORRESPONDENCE DATA

Fax Number: (212)593-5955

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: scott.kareff@srz.com

Correspondent Name: S. KAREFF C/O SCHULTE ROTH & ZABEL LLP

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ATTORNEY DOCKET NUMBER:	069902-0049
NAME OF SUBMITTER:	SCOTT KAREFF (069902-0049)
SIGNATURE:	/rr for sk/
DATE SIGNED:	06/21/2021

Total Attachments: 419

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PATENT SECURITY AGREEMENT

WHEREAS, each Grantor (as defined in the Security Agreement) that is party hereto (each, a “Grantor” and collectively, the “Grantors”) holds all right, title and interest in the letter patents, design patents and utility patents, and all applications therefor, listed on the annexed Schedule 1A, as applicable, which patents are issued or applied for in the United States Patent and Trademark Office (the “Patents”);

WHEREAS, each Grantor has entered into a Pledge and Security Agreement, dated as of June 4, 2020 (as amended, restated or otherwise modified from time to time the “Security Agreement”), in favor of Starboard Value Intermediate Fund LP, as collateral agent for certain buyers (the “Grantee”);

WHEREAS, pursuant to the Security Agreement, each Grantor has granted to the Grantee for the benefit of the Buyers (as defined in the Security Agreement) a continuing security interest in all right, title and interest of such Grantor in, to and under the Patents, including, without limitation, all applications, registrations and recordings thereof, as applicable, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement, misappropriation or other violation thereof and any and all damages arising from past, present and future infringements, misappropriations or other violations thereof (the “Collateral”), to secure the payment, performance and observance of the “Secured Obligations” (as defined in the Security Agreement);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor does hereby pledge, convey, and set over unto the Grantee and grants to the Grantee for the benefit of the Buyers a continuing security interest in the Collateral. Other than as permitted upon the occurrence and during the continuance of an Event of Default (as defined in the Security Agreement), nothing in this Patent Security Agreement or the Security Agreement assigns or transfers to Grantee any control or ownership interest in any of the Collateral, and such Grantor retains any and all such rights.

Each Grantor does hereby further acknowledge and affirm that the rights and remedies of the Grantee with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of a conflict between any provision of this Patent Security Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of June 4, 2020.

ACACIA RESEARCH GROUP LLC




By: _____

Name: Marc Booth

Title: Chief Executive Officer

AMERICAN VEHICULAR SCIENCES LLC

By:  _____

Name: Marc Booth

Title: Chief Executive Officer

BONUTTI SKELETAL INNOVATIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

**CELLULAR COMMUNICATIONS EQUIPMENT
LLC**



By: _____

Name: Marc Booth

Title: Chief Executive Officer

INNOVATIVE DISPLAY TECHNOLOGIES LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

LIFEPORT SCIENCES LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

LIMESTONE MEMORY SYSTEMS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

MERTON ACQUISITION HOLDCO LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

MOBILE ENHANCEMENT SOLUTIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

MONARCH NETWORKING SOLUTIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

NEXUS DISPLAY TECHNOLOGIES LLC

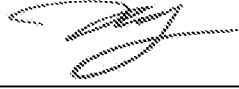


By: _____

Name: Marc Booth

Title: Chief Executive Officer

**PARTHENON UNIFIED MEMORY
ARCHITECTURE LLC**



By: _____

Name: Marc Booth

Title: Chief Executive Officer

R2 SOLUTIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

SAINT LAWRENCE COMMUNICATIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

STINGRAY IP SOLUTIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

SUPER INTERCONNECT TECHNOLOGIES LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

TELECONFERENCE SYSTEMS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

UNIFICATION TECHNOLOGIES LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

SCHEDULE 1A TO PATENT SECURITY AGREEMENT

(see attached)

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	ACACIA RESEARCH GROUP LLC METHOD AND APPARATUS FOR COLLECTING AND EXPRESSING GEOGRAPHICALLY REFERENCED DATA	6572142	2000-10-31	2004-08-03
United States	METHOD AND SYSTEM FOR A WIRELESS DIGITAL MESSAGE SERVICE	6349135	1998-09-01	2002-02-19
United States	AUTOMATED SECURITY AND RECORD SYSTEM FOR TRANSPORTER TAGGED ITEMS	6080800	2001-02-16	2006-01-17
United States	INDIVIDUAL ADJUSTMENT OF PIT AND BAND TRANSITION LOCATIONS IN AN OPTICAL DISC MASTERING PROCESS	6469969	2001-08-21	2002-10-22
United States	VARYING THE RATE AT WHICH DATA APPEAR ON AN OPTICAL DISC ROTATED AT A CONSTANT LINEAR VELOCITY TO PREVENT UNAUTHORIZED DUPLICATION OF THE DISC	6477124	2001-05-18	2002-11-05
United States	COPY PROTECTION THROUGH SYMBOL SUBSTITUTION AND INDUCED ERRORS	6715122	2001-02-23	2004-03-30
United States	HIDING DIGITAL DATA IN A DIGITAL AUDIO OR VIDEO CARRIER SIGNAL	6768709	2001-02-23	2004-07-27
United States	METHOD OF MAKING A VERTICAL INTEGRATED CIRCUIT	5766984	1995-09-22	1998-06-16
United States	WIRING METHOD FOR PRODUCING A VERTICAL INTEGRATED CIRCUIT STRUCTURE AND VERTICAL INTEGRATED CIRCUIT STRUCTURE	6448174	2000-10-05	2002-09-10
United States	METHOD OF VERTICALLY INTEGRATING ELECTRIC COMPONENTS BY MEANS OF BACK CONTACTING	6548391	2002-03-18	2003-04-15
United States	METHOD FOR PRODUCING THREE DIMENSIONAL CIRCUITS	6664132	2001-11-29	2003-12-16
United States	ELECTROMAGNETICALLY SHIELDED HEARING AIDS	6031923	1997-04-07	2000-02-29
United States	HAND HELD CONTROL DEVICE WITH DUAL MODE JOYSTICK FOR POINTING AND SCROLLING	7476982	2004-05-11	2007-02-13
United States	INTEGRATED GPS/REFERENCE LOCATION SYSTEM	5936571	1997-01-31	1999-08-10
United States	DEFINING A UNIFORM SUBJECT CLASSIFICATION SYSTEM	6185576	1998-10-21	2001-02-06
United States	CORPORATING DOCUMENT MANAGEMENT/RECORDS RETENTION FUNCTIONS			
United States	METHOD AND SYSTEM FOR ACQUIRING BRANDED PROMOTIONAL PRODUCTS	7127415	1999-11-16	2006-10-24
United States	INDUCTANCE REDUCED WIRE BONDING TYPE SEMICONDUCTOR DEVICE	5798571	1996-07-02	1998-08-25
United States	VOLTAGE BOOSTER CIRCUIT	5812018	1997-01-13	1998-09-22
United States	BRIDGE CIRCUITRY COMPRISING SERIES CONNECTION OF VERTICAL AND LATERAL MOSFETS	5618282	1997-02-07	1998-10-06

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR STORAGE DEVICE	5918773	1997-08-28	1998-10-06
United States	HIGH VOLTAGE GENERATING CIRCUIT ABLE TO GENERATE POSITIVE HIGH VOLTAGE AND NEGATIVE HIGH VOLTAGE AT THE SAME TIME	5931844	1997-08-13	1998-11-03
United States	DIFFERENTIAL AMPLIFIER	5947598	1997-05-14	1998-12-08
United States	OUTPUT CIRCUIT WITH OVERVOLTAGE PROTECTION	5964245	1996-10-15	1999-01-26
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	5949699	1998-06-25	1999-09-07
United States	SEMICONDUCTOR DEVICE INCORPORATING A STEPPED CONTACT HOLE	5952724	1997-06-19	1999-09-14
United States	SENSE AMPLIFIER CIRCUIT HAVING HIGH SPEED OPERATION	5999479	1997-07-22	1999-12-07
United States	SEMICONDUCTOR DEVICE WITH CONDUCTIVE PLUGS	6004839	1997-02-20	1999-12-21
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE WITH DUMMY PATTERN FOR EQUALIZING THICKNESS OF INTER-LEVEL INSULATING STRUCTURE	6023099	1997-12-22	2000-02-08
United States	SEMICONDUCTOR INTEGRATED CIRCUIT MEMORY	6023442	1997-08-11	2000-02-08
United States	DIFFERENTIAL AMPLIFIER WITH INPUT SIGNAL DETERMINED STANDBY STATES	6028458	1998-01-22	2000-02-22
United States	VARIABLE CURRENT SOURCE WITH DEVIATION COMPENSATION	6031366	1998-08-19	2000-02-29
United States	SEMICONDUCTOR DEVICE ASSEMBLY METHOD AND SEMICONDUCTOR DEVICE PRODUCED BY THE METHOD	6044697	1998-12-30	2000-04-04
United States	OUTPUT CIRCUIT FREE FROM OVERSHOOT AND UNDERSHOOT ON SIGNAL LINES ALTERNATELY DRIVEN IN POSITIVE POTENTIAL RANGE AND NEGATIVE POTENTIAL RANGE	6046633	1998-12-21	2000-04-04
United States	FABRICATION METHOD OF SEMICONDUCTOR DEVICE USING CMP PROCESS	6096632	1998-04-10	2000-08-01
United States	INPUT CIRCUIT HAVING CURRENT CONTROL	6121792	1998-09-25	2000-09-19
United States	SOLAMOS FIELD EFFECT TRANSISTOR THAT WITHDRAWS EXCESS CARRIER THROUGH A CARRIER PATH SILICON LAYER	6124613	1998-05-04	2000-09-26
United States	SEMICONDUCTOR MEMORY DEVICE	6130846	1999-02-05	2000-10-10
United States	BOOSTING CIRCUIT USING 2-STEP BOOSTING OPERATION	6137733	1999-10-04	2000-10-24
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE HAVING MULTILAYER WIRING	6140225	1998-06-25	2000-10-31
United States	BOOSTING CIRCUIT WITH BOOSTED VOLTAGE LIMITED	6141262	1999-04-07	2000-10-31
United States	SYNCHRONOUS BUFFER CIRCUIT AND DATA TRANSMISSION CIRCUIT HAVING THE SYNCHRONOUS BUFFER CIRCUIT	6172539	1999-05-28	2001-01-09

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	POWER ON CIRCUIT BUILT IN IC	6198319	1999-11-26	2001-03-06
United States	EMBEDDED ISYAWING-A FERAM SECTION AND A LOGIC CIRCUIT SECTION	6218197	2000-06-29	2001-04-17
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE HAVING MULTILAYER WIRING	6225217	1999-11-12	2001-05-01
United States	STATIC-RANDOM-ACCESS MEMORY (SRAM) CIRCUIT	6259623	2000-06-16	2001-07-10
United States	PROGRAM COMPLETE SYSTEM AND ITS COMPILER METHOD FOR EFFICIENTLY COMPILING A SOURCE PROGRAM INCLUDING AN INDIRECT CALL FOR A PROCEDURE	6292940	1999-01-26	2001-09-18
United States	CAPACITOR HAVING FIRST AND SECOND PROTECTIVE FILMS	6295195	1999-12-28	2001-09-25
United States	COMPILING METHOD FOR GENERATING TARGET PROGRAM IN ACCORDANCE WITH TARGET PROCESSOR TYPE, COMPILING DEVICE, RECORDING MEDIUM WITH COMPILING PROGRAM RECORDED THEREIN AND RECORDING MEDIUM WITH CONVERSION TABLE USED IN COMPILING RECORDED THEREIN	6305013	1999-04-01	2001-10-16
United States	BOOSTING CIRCUIT	6341077	2000-10-31	2002-01-22
United States	INPUT CIRCUIT, OUTPUT CIRCUIT, AND INPUT/OUTPUT CIRCUIT AND SIGNAL TRANSMISSION SYSTEM USING THE SAME INPUT/OUTPUT CIRCUIT	6366126	1999-12-10	2002-04-02
United States	FAN FILTER UNIT FOR CLEANROOM	6368393	2000-07-13	2002-04-09
United States	FERROELECTRIC MEMORY INCLUDING FERROELECTRIC CAPACITOR, ONE OF WHOSE ELECTRODES IS CONNECTED TO METAL SILICIDE FILM	6384440	2000-11-02	2002-05-07
United States	NON-VOLATILE SEMICONDUCTOR DEVICE AND NON-VOLATILE SEMICONDUCTOR MEMORY DEVICE FOR STORING MULTI-VALUE INFORMATION	6441425	2000-10-10	2002-08-27
United States	SEMICONDUCTOR STORAGE DEVICE DATA SENSING METHOD AND APPARATUS	6442081	2001-04-25	2002-08-27
United States	COPPER WIRING STRUCTURE COMPRISING A COPPER MATERIAL BURIED IN A HOLLOW OF AN INSULATING FILM AND A CARBON LAYER BETWEEN THE HOLLOW AND THE COPPER MATERIAL IN SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME	6486559	1998-06-25	2002-11-26
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING SAME	6549950	2000-06-27	2005-02-01
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME	6660765	1998-07-08	2000-05-09

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6066508	1998-06-03	2000-05-23
United States	METHOD OF FABRICATING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING AN INTERLEVEL DIELECTRIC LAYER WITH VOIDS BETWEEN NARROWLY SPACED WIRING LINES	6162723	1998-12-14	2000-12-19
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	6194758	1998-06-11	2001-02-27
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE AND METHOD OF MANUFACTURING SAME	6255151	1998-12-11	2001-07-03
United States	METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE	6300206	2000-03-03	2001-10-09
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6319860	2000-04-18	2001-11-20
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6423992	2001-05-15	2002-07-23
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6521550	2001-10-19	2003-02-18
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	6545326	2001-07-24	2003-04-08
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6602808	2001-12-13	2003-08-05
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	6610564	2001-07-24	2003-08-26
United States	SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE	6924192	2003-10-31	2005-08-02
United States	SEMICONDUCTOR DEVICE COMPRISING A HIGHLY RELIABLE, CONSTANT CAPACITANCE CAPACITOR	6940116	2001-01-10	2005-09-06
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7118983	2005-06-30	2006-10-10
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7439132	2006-01-23	2008-10-21
United States	SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE	7439569	2006-06-20	2008-10-21
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	8471321	2010-09-13	2013-06-25
United States	SRAM WITH STACKED CAPACITOR SPACED FROM GATE ELECTRODES	5780910	1996-07-17	1998-07-14
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6030865	1998-04-28	2000-02-29

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6171992	1998-02-19	2001-01-09
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6245611	1999-11-05	2001-06-12
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	6396111	2001-04-17	2002-05-28
United States	SEMICONDUCTOR DEVICE WITH SHIELD LAYERS AND METHOD OF FORMING THE SAME	6399485	2000-07-28	2002-06-04
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	6476453	2001-12-03	2002-11-05
United States	MEMORY SYSTEM ALLOWING FAST OPERATION OF PROCESSOR WHILE USING FLASH MEMORY INCAPABLE OF RANDOM ACCESS	6610444	2003-02-25	2004-10-26
United States	SEMICONDUCTOR DEVICE WITH SEAL RING	7605448	2005-09-08	2009-10-20
United States	SEMICONDUCTOR DEVICE WITH SEAL RING AND SACRIFICIAL CORNER PATTERN	7884031	2009-06-15	2011-02-08
United States	SEMICONDUCTOR CHIP WITH SEAL RING AND SACRIFICIAL CORNER PATTERN	8018030	2009-03-24	2011-09-13
United States	SEMICONDUCTOR CHIP WITH SEAL RING AND SACRIFICIAL CORNER PATTERN	8063291	2011-05-20	2015-02-24
United States	Method And Nonvolatile Semiconductor Memory For Repairing Over-Fused Cells	5844847	1996-12-06	1998-12-01
United States	Semiconductor Device Capable Of Operating Stably With Reduced Power Consumption	6046627	1998-02-20	2000-04-04
United States	High-Speed Semiconductor Memory Apparatus Including Circuitry To Increase Writing And Reading Speed	6091629	1997-08-06	2000-07-18
United States	Non-Volatile Semiconductor Memory Device For Selective Cell Flash Erasing/Programming	6111792	1999-03-15	2000-08-29
United States	Information Processing Apparatus Having A Bus Using The Protocol Of The Acknowledge Type In The Source Clock Synchronous System	6539444	1999-09-03	2003-03-25
United States	Semiconductor Memory Apparatus, Semiconductor Apparatus, Data Processing Apparatus And Computer System	6665209	2002-12-17	2003-12-16
United States	Information Processing Apparatus	6665807	1999-09-03	2003-12-16

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Semiconductor Memory Apparatus, Semiconductor Apparatus, Data Processing Apparatus And Computer System	6030268	2003-10-17	2005-01-04
United States	Semiconductor Device	7560975	2007-01-05	2009-07-14
United States	SEMICONDUCTOR DEVICE WITH AN ACTIVE REGION AND PLURAL DUMMY REGIONS	6693315	2001-11-02	2004-02-17
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7071560	2003-12-31	2006-07-04
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7411302	2006-05-10	2008-08-12
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7589423	2007-05-24	2009-09-15
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7687914	2007-10-30	2010-03-30
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7948086	2010-03-01	2011-05-24
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING AN ACTIVE REGION AND DUMMY PATTERNS	8119495	2011-04-28	2012-02-21
United States	SEMICONDUCTOR DEVICE HAVING ACTIVE REGION AND DUMMY WIRINGS	8426969	2012-01-31	2013-04-23
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	8604505	2013-04-08	2013-12-10
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE INCLUDING DUMMY REGIONS AND DUMMY WIRINGS	9064926	2013-12-09	2015-06-23
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	9337147	2015-06-19	2016-05-10
United States	Intermediate potential generating circuit	5869997	1997-01-08	1999-02-09
United States	Speech recognition system	5099665	1997-05-29	1999-06-01
United States	Semiconductor integrated circuit	5014905	1997-11-04	1999-06-22
United States	Chopper comparator showing high speed and low power operations free of malfunction under variation of logical threshold voltage of inverter	5959469	1997-09-22	1999-09-28
United States	Amplifier circuit of latch type which is used for semiconductor memory device	5982689	1997-11-03	1999-11-09
United States	Image data storing method and image data storing device	6020902	1998-03-04	2000-02-01

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Input buffer circuit for semiconductor IC circuit	60912277	1999-01-19	2000-07-18
United States	Semiconductor integrated circuit having controlled output resistance of an output buffer circuit	6094060	1998-07-20	2000-07-25
United States	Operational amplifier having a wide input/output range and an improved slew rate	6100762	1998-09-03	2000-08-08
United States	System including a ferroelectric memory	6131177	1997-09-18	2000-10-10
United States	Semiconductor integrated circuit device	6151256	1999-10-20	2000-11-21
United States	Charge pump circuit for phase-locked loop free from spike current	6163187	1999-07-19	2000-12-19
United States	Pulse generator with improved high speed performance for generating a constant pulse width	6198327	1999-03-15	2001-03-06
United States	Semiconductor chip having a low noise ground line	6201308	1998-09-15	2001-03-13
United States	Variable-frequency oscillator and phase-locked loop and clock synchronizer using thereof	6215364	1999-04-09	2001-04-10
United States	Semiconductor integrated circuit device	6243279	1998-09-16	2001-06-05
United States	Semiconductor integrated circuit device	6252788	1999-10-20	2001-06-26
United States	System including a ferroelectric memory	6321360	2000-05-26	2001-11-20
United States	Data processor having unified memory architecture providing priority memory access	6333745	1997-09-29	2001-12-25
United States	Semiconductor integrated circuit	6337593	2000-01-27	2002-01-08
United States	Semiconductor chip having a low noise ground line	6376920	2000-09-27	2002-04-23
United States	Semiconductor integrated circuit	6483374	2000-06-23	2002-11-19
United States	Variable-frequency oscillator and phase-locked loop and clock synchronizer using thereof	6535070	2001-01-05	2003-03-18
United States	Semiconductor integrated circuit	6600360	2002-09-20	2003-07-29
United States	One-chip microcomputer capable of internally producing FCC data	6604214	1999-04-06	2003-08-05
United States	Semiconductor integrated circuit	6707334	2003-05-22	2004-03-16
United States	Processor for controlling substrate biases in accordance to the operation modes of the processor	6715090	1999-05-20	2004-03-30
United States	Microprocessor	6789207	2000-12-18	2004-09-07
United States	Semiconductor integrated circuit	6887415	2004-01-29	2006-01-17
United States	Semiconductor integrated circuit	7046075	2005-06-06	2006-05-16

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Semiconductor-integrated-circuit	7321252	2006-04-04	2008-01-22
United States	Data processor having unified memory architecture using registers to optimize memory access	7333116	2005-07-18	2008-02-19
United States	Substrate-bias-switching-unit-for-a-low-power-processor	7475261	2004-02-02	2009-01-06
United States	Substrate-bias-switching-unit-for-a-low-power-processor	8364088	2011-05-05	2013-01-29
United States	METHOD OF FABRICATING ELECTROSTATIC DISCHARGE DEVICE	5385722	1997-08-13	1999-11-16
United States	STATIC-RAM HAVING CELL TRANSISTORS WITH LONGER-GATE ELECTRODES THAN TRANSISTORS IN THE PERIPHERY OF THE CELL	6043540	1997-09-29	2000-03-28
United States	SEMICONDUCTOR DEVICE	6064089	1997-07-25	2000-05-16
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE	6096641	1999-06-04	2000-08-01
United States	SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME	6100591	1999-05-18	2000-08-08
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6121086	1999-06-14	2000-09-19
United States	LEAD-ON-GHTR-SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME	6137159	1999-02-26	2000-10-24
United States	SEMICONDUCTOR DEVICE	6150727	1996-09-16	2000-11-21
United States	SEMICONDUCTOR DEVICE WITH IMPROVED PLANARITY AND REDUCED PARASITIC CAPACITANCE	6153918	1998-08-21	2000-11-28
United States	SEMICONDUCTOR INTEGRATED CIRCUIT WITH REDUCED DEVICE AND INTERCONNECTION AREAS	6157249	1999-06-28	2000-12-05
United States	METHOD OF ETCHING TO FORM HIGH TOLERANCE POLYSILICON RESISTORS	6180479	1999-04-30	2001-01-30
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICES	6204184	1999-03-26	2001-03-20
United States	MEMORY CIRCUIT/LOGIC CIRCUIT INTEGRATED DEVICE CAPABLE OF REDUCING TERM OF WORKS	6208547	1999-07-21	2001-03-27
United States	REDUNDANCY-FUSE-BLOCK HAVING A SMALL OCCUPIED AREA	6215173	1999-11-12	2001-04-10
United States	SEMICONDUCTOR DEVICE, AND MANUFACTURING METHOD THEREFOR	6228755	1999-03-12	2001-05-08
United States	METHOD OF MANUFACTURING MISFET	6235564	2000-01-20	2001-05-22
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	6309958	1999-09-08	2001-10-30
United States	METHOD OF FABRICATING A SEMICONDUCTOR DEVICE	6309960	2000-03-22	2001-10-30
United States	ELECTRODE STRUCTURE OF SEMICONDUCTOR ELEMENT	6313540	1999-12-22	2001-11-06

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE HAVING CAPACITIVE ELEMENT STRUCTURE AND MULTILEVEL INTERCONNECTION STRUCTURE AND METHOD OF FABRICATING THE SAME	63169901	1999-03-04	2001-11-13
United States	SEMICONDUCTOR DEVICE INTERCONNECTION STRUCTURE	6316836	1999-05-26	2001-11-13
United States	METHOD OF FABRICATING A LEAD-ON CHIRAL LOG SEMICONDUCTOR DEVICE	6335227	2000-10-18	2002-01-01
United States	MEMORY CIRCUIT/LOGIC CIRCUIT INTEGRATED DEVICE CAPABLE OF REDUCING TERM-OF-WORKS	6335875	2001-01-26	2002-01-01
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE	6344388	1999-06-04	2002-02-05
United States	MULTILAYERED SEMICONDUCTOR DEVICE	6369446	1999-11-15	2002-04-09
United States	PHOTOELECTRIC CONVERSION DEVICE AND METHOD OF MANUFACTURING THE SAME	6407417	2000-06-14	2002-06-18
United States	SEMICONDUCTOR DEVICE HAVING GATE INSULATING LAYERS DIFFERENT IN THICKNESS AND MATERIAL AND PROCESS FOR FABRICATION THEREOF	6475862	2000-08-10	2002-11-05
United States	MEMORY CIRCUIT/LOGIC CIRCUIT INTEGRATED DEVICE CAPABLE OF REDUCING TERM-OF-WORKS	6477075	2001-12-06	2002-11-05
United States	METHOD OF ARRANGING EXPPOSED AREAS INCLUDING A LIMITED NUMBER OF TEST ELEMENT GROUP (TEG) REGIONS ON A SEMICONDUCTOR WAFER	6492189	2000-10-26	2002-12-10
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICES	6498100	2001-11-30	2002-12-24
United States	SEMICONDUCTOR DEVICE AND A MANUFACTURING PROCESS THEREFOR	6514853	2000-06-13	2003-02-04
United States	METHOD OF MANUFACTURING A PACKAGED SEMICONDUCTOR DEVICE, AND A SEMICONDUCTOR DEVICE MANUFACTURED THEREBY	6544814	2000-01-31	2003-04-08
United States	SEMICONDUCTOR DEVICE AND FABRICATION METHOD THEREOF	6548900	1999-10-21	2003-04-15
United States	SEMICONDUCTOR DEVICE WITH DUMMY PATTERNS	6563148	2001-04-10	2003-05-13
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING SILICIDE LAYERS	6569742	1999-12-23	2003-05-27
United States	METHOD OF MANUFACTURING AN EPROM DEVICE	6576512	2002-09-23	2003-06-10
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF	6580113	1999-06-28	2003-06-17
United States	SOLID-STATE IMAGING DEVICE AND METHOD FOR FABRICATING SAME	6603144	2000-12-08	2003-08-05
United States	SEMICONDUCTOR DEVICE HAVING CAPACITIVE ELEMENT STRUCTURE AND MULTILEVEL INTERCONNECTION STRUCTURE AND METHOD OF FABRICATING THE SAME	6603203	2001-07-12	2003-08-05

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE WITH A PARTICULAR CONDUCTOR ARRANGEMENT	6639288	2000-06-19	2003-10-28
United States	SEMICONDUCTOR DEVICE AND MOUNTED SEMICONDUCTOR DEVICE STRUCTURE	6639315	2001-08-10	2003-10-28
United States	COPPER INTERCONNECTION	6670639	2001-12-11	2003-12-30
United States	MULTILAYERED SEMICONDUCTOR DEVICE	6713872	2002-04-03	2004-03-30
United States	SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME	6740584	1997-09-23	2004-05-25
United States	SEMICONDUCTOR DEVICE WITH A FIRST DUMMY PATTERN	6753246	2003-04-22	2004-06-22
United States	SEMICONDUCTOR PRODUCT WAFER HAVING VERTICAL AND HORIZONTALLY ARRANGED PATTERNED AREAS INCLUDING A LIMITED NUMBER OF TEST ELEMENT GROUP REGIONS	6762433	2002-09-19	2004-07-13
United States	SEMICONDUCTOR MEMORY DEVICE AND MANUFACTURING METHOD THEREOF	6791134	2002-07-26	2004-09-14
United States	SEMICONDUCTOR MEMORY DEVICE	6791200	2002-12-19	2004-09-14
United States	SEMICONDUCTOR MEMORY DEVICE HAVING LARGE STORAGE CAPACITY AND MINIMAL STEP HEIGHT BETWEEN MEMORY CELL AND PERIPHERAL CIRCUITS	6798005	2002-07-29	2004-09-28
United States	SEMICONDUCTOR DEVICE, DESIGNING METHOD AND DESIGNING DEVICE THEREOF	6838770	2001-06-27	2005-01-04
United States	SEMICONDUCTOR WAFER SURFACE AND METHOD OF TREATING A SEMICONDUCTOR WAFER SURFACE	6897150	2000-11-20	2005-05-24
United States	SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME	6900539	2002-10-17	2005-05-31
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING A GATE ELECTRODE HAVING A SALICIDE LAYER THEREON	6908837	2002-09-23	2005-06-21
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7166893	2002-09-23	2007-01-23
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	7077158	2010-07-08	2011-07-12
United States	SEMICONDUCTOR DEVICE AND DUMMY PATTERN ARRANGEMENT METHOD	8072078	2009-12-07	2011-12-06
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	8278143	2011-06-22	2012-10-02
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6555056	2001-06-06	2003-03-18
United States	MICROPROCESSOR INTERNALLY PROVIDED WITH TEST CIRCUIT	6816983	2001-02-20	2004-11-09

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	6941420	2003-09-11	2005-01-11
United States	MICROCOMPUTER AND MICROCOMPUTER SYSTEM	6907514	2004-07-12	2005-06-14
United States	SEMICONDUCTOR DEVICE WITH CONTACTING ELECTRODES	6919646	2003-03-11	2005-07-19
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6970036	2004-06-04	2005-11-29
United States	SOLID-STATE MEMORY DEVICE	7030918	2000-06-27	2006-04-18
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7161414	2005-11-03	2007-01-09
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7352236	2006-12-13	2008-04-01
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7696813	2008-02-04	2010-04-13
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7830204	2010-02-26	2010-11-09
United States	SEMICONDUCTOR DEVICE AND METHOD FOR CUTTING ELECTRIC FUSE	7989913	2007-05-11	2011-08-02
United States	SEMICONDUCTOR DEVICE	8073643	2008-05-18	2011-12-06
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	8258589	2011-02-09	2012-09-04
United States	SEMICONDUCTOR DEVICE	8304905	2011-07-27	2012-11-06
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	8372709	2012-08-14	2013-02-12
United States	METHOD FOR CUTTING AN ELECTRIC FUSE	8372730	2011-06-23	2013-02-12
United States		6348405	2000-01-25	2002-02-19
United States		6356480	2000-06-07	2002-03-12
United States		6399399	2001-04-25	2002-06-04
United States		6466484	2002-01-28	2002-10-15
United States		6545934	2001-04-24	2003-04-08
United States		6567315	2001-12-12	2003-05-20
United States		6586807	2001-02-01	2003-07-01
United States		6603692	2001-06-13	2003-08-05
United States		6635912	2001-09-07	2003-10-21
United States		6717434	2001-09-27	2004-04-06
United States		6744684	2001-02-07	2004-06-01
United States		6751144	2002-05-29	2004-06-15

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States		6791984	2002-12-23	2004-09-14
United States		6853582	2002-12-23	2005-02-08
United States		7130218	2005-01-25	2006-10-31
United States		7317640	2006-08-15	2008-01-08
United States		8017943	2007-07-12	2011-09-13
United States		8116395	2008-10-16	2012-02-14
United States		6785852	2001-07-26	2004-08-31
United States		6785858	2001-02-01	2004-08-31
United States		6791877	2002-06-10	2004-09-14
United States		6798696	2003-02-12	2004-09-28
United States		6807101	2002-12-23	2004-10-19
United States		6952368	2004-06-07	2005-10-04
United States		7068562	2005-06-13	2006-06-27
United States		7280426	2006-05-24	2007-10-09
United States		7334080	2005-05-03	2008-02-19
United States		7554830	2007-05-08	2009-06-30
United States		7581058	2007-12-24	2009-08-25
United States		7872895	2009-05-21	2011-01-18
United States		8432716	2010-12-06	2013-04-30
United States	POWER-ON-RESET-SIGNAL-GENERATOR-FOR-SEMICONDUCTOR-DEVICE	5936443	1996-07-03	1999-08-10
United States	VARIABLE-DELAY-CIRCUIT-FOR-VARYING-DELAY-TIME-AND-PULSE-WIDTH	5949268	1997-08-15	1999-09-07
United States	SEMICONDUCTOR-DEVICE-OF-HIERARCHICAL-POWER-SOURCE-STRUCTURE	6107700	1998-11-13	2000-08-22
United States	SEMICONDUCTOR-DEVICE	6944078	2004-07-16	2005-09-13
United States	SEMICONDUCTOR-DEVICE-AND-MANUFACTURING-PROCESS-THEREOF	5719426	1996-11-07	1998-02-17
United States	SEMICONDUCTOR-DEVICE-AND-MANUFACTURING-PROCESS-THEREOF	5892276	1997-04-17	1999-04-06
United States	SEMICONDUCTOR-DEVICE-HAVING-A-FLOATING-NODE-THAT-CAN-MAINTAIN-A-PREDETERMINED-POTENTIAL-FOR-LONG-TIME-A	5903728	1996-10-16	1999-04-13
United States	SEMICONDUCTOR-MEMORY-DEVICE-HAVING-HIGH-DATA-MAINTENANCE-PERFORMANCE, AND A METHOD OF MANUFACTURING THEREOF			

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE HAVING MISALIGNMENT RESISTIVE INTERCONNECT LAYERS	5920124	1997-05-23	1999-07-06
United States	METHOD OF MAKING TOTAL DIELECTRIC SEMICONDUCTOR DEVICE ISOLATION REGION	5933745	1997-10-08	1999-08-03
United States	SEMICONDUCTOR INTEGRATED CIRCUIT	5986294	1999-01-07	1999-11-16
United States	SEMICONDUCTOR MANUFACTURING DEVICE AND METHOD OF REMOVING PARTICLES THEREFROM	6024105	1998-02-06	2000-02-15
United States	SEMICONDUCTOR DEVICE HAVING A PORTION OF GATE ELECTRODE FORMED ON AN INSULATING SUBSTRATE	6064090	1996-06-27	2000-05-16
United States	METHOD DIRECTED TO THE MANUFACTURE OF AN SGI DEVICE	6271065	2000-01-31	2001-08-07
United States	SEMICONDUCTOR DEVICE	6362514	1999-07-13	2002-03-26
United States	THIN FILM SGI MOSFET	6410973	1999-06-24	2002-06-25
United States	COMPUTER IMPLEMENTED MARKETING SYSTEM	6236977	1999-01-04	2001-05-22
United States	DISPLAY APPARATUS WITH DIGITAL MICROMIRROR DEVICE	6348907	1999-01-31	2002-02-19
United States	METHOD FOR USING A SPATIAL LIGHT MODULATOR	6535187	1998-04-21	2003-03-18
United States	METHOD FOR INCREASING THE RESOLUTION OF A SPATIAL LIGHT MODULATOR	7184194	2004-12-20	2007-02-27
United States	ALIGNED WAFER BONDING	5236118	1992-05-12	1993-08-17
United States	METHOD AND APPARATUS FOR VALIDATING CREDIT INFORMATION	5208446	1991-09-19	1993-05-04
United States	DURING HOME DELIVERY OF ORDER			
United States	METHOD AND APPARATUS FOR VALIDATING CREDIT INFORMATION DURING HOME DELIVERY OF ORDER	5334824	1993-03-30	1994-08-02
United States	RECYCLABLE, DIGITAL ONE TIME USE CAMERA	7126629	2001-09-07	2006-10-24
United States	METHOD OF MAKING A THREE DIMENSIONAL INTEGRATED CIRCUIT	5563084	1995-09-22	1996-10-08
United States	METHOD OF VERTICALLY INTEGRATING MICROELECTRONIC SYSTEMS	5851894	1996-05-03	1998-12-22
United States	METHOD OF MAKING A THREE DIMENSIONAL INTEGRATED CIRCUIT	5877034	1995-09-22	1999-03-02
United States	METHOD AND APPARATUS FOR DISPLAYING REAL TIME INFORMATION OBJECTS BETWEEN A WIRELESS MOBILE USER STATION AND MULTIPLE INFORMATION SOURCES BASED UPON EVENT DRIVEN PARAMETERS AND USER MODIFIABLE OBJECT MANIFEST	7289793	2002-12-03	2007-10-30
United States	ELECTROMAGNETICALLY SHIELDED HEARING AID	5640457	1995-11-13	1997-06-17
United States	ELECTROMAGNETICALLY PROTECTED HEARING AIDS	RE43519	2003-04-14	2012-07-17

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	FILE SHARED APPARATUS AND ITS METHOD FILE PROCESSING APPARATUS AND ITS METHOD RECORDING MEDIUM IN WHICH FILE SHARED PROGRAM IS RECORDED AND RECORDING MEDIUM IN WHICH FILE PROCESSING PROGRAM IS RECORDED	6499058	1999-09-09	2002-12-24
United States	SYSTEM AND METHOD FOR MEASURING AND STORING INFORMATION PERTAINING TO TELEVISION VIEWER OR USER BEHAVIOR	6286140	1997-11-20	2001-09-04
United States	METHOD FOR TELEVISION SCRAMBLING	4993066	1987-02-26	1991-02-12
United States	HAND HELD CONTROL DEVICE WITH DUAL MODE JOYSTICK FOR POINTING AND SCROLLING	7804485	2007-02-09	2010-09-28
United States	HAND HELD CONTROL DEVICE WITH DUAL MODE JOYSTICK FOR POINTING AND SCROLLING	8502779	2010-09-17	2013-08-06
United States	AUTOMATIC VOICE RESPONSE CALL OUT SYSTEM	6614886	1999-08-09	2003-09-02
United States	SYSTEM AND METHOD FOR COMPUTING NAVIGATION INFORMATION IN THE PRESENCE OF INTERFERENCE	6600444	2002-02-22	2003-07-29
United States	INTEGRATED GPS/INTERFERENCE LOCATION SYSTEM WITH ANTI-JAM PROCESSOR	6882936	2003-03-03	2005-04-19
United States	APPARATUS AND METHOD FOR TRADING ELECTRIC ENERGY	6115698	1995-08-18	2000-09-05
United States	APPARATUS AND METHOD FOR TRADING ELECTRIC ENERGY	6473744	1999-08-06	2002-10-29
United States	SOUND STORAGE AND SOUND RETRIEVAL SYSTEM HAVING PERIPHERAL WITH HAND OPERABLE SWITCHES	5402518	1992-07-22	1995-03-28
United States	RADIO COMMUNICATION SYSTEM USING SPREAD SPECTRUM TECHNIQUES	5077753	1990-04-09	1991-12-31
United States	METHOD AND SYSTEM FOR CONFIGURING PRODUCTS	7844495	2001-04-20	2010-11-30
United States	METHOD AND SYSTEM FOR CONFIGURING PRODUCTS	8694391	2012-05-09	2014-04-08
United States	WIRE BONDING DEVICE	5199628	1992-06-02	1993-04-06
United States	BUMP FORMING METHOD	5263246	1992-02-14	1993-11-23
United States	METHOD FOR PRODUCING SOLDER THAT CONTAINS THERMIN ADDITIVE PARTICLES MAINTAINING ITS SHAPE	5377899	1994-01-31	1995-01-03
United States	FABRICATION PROCESSES FOR MULTILEVEL INTERCONNECTIONS IN A SEMICONDUCTOR DEVICE	5506177	1995-02-24	1996-04-09
United States	SEMICONDUCTOR LIGHT RECEIVING APPARATUS	5550675	1994-09-22	1996-08-27
United States	IMAGE SUB-SAMPLING APPARATUS	5565925	1995-08-10	1996-10-15

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	MICROPROCESSOR WITH BUS SIZING FUNCTION	5603048	1996-01-02	1997-02-11
United States	SERIAL-TRANSMISSION APPARATUS HAVING AN OPERATION SURELY CARRIED OUT EVEN IF A SERIAL DATA IS REPRESENTED BY AN UNKNOWN NUMBER OF DATA BITS	5613104	1994-10-27	1997-03-18
United States	SEMICONDUCTOR DEVICE INCLUDING RECTANGULAR FUNCTIONAL BLOCKS HAVING AT LEAST ONE COMMON LENGTH	5616939	1994-09-06	1997-04-01
United States	CIRCUIT FOR DRIVING LIQUID CRYSTAL DEVICE	5617111	1996-07-09	1997-04-01
United States	GASGODE CIRCUIT OPERABLE AT A LOW WORKING VOLTAGE AND HAVING A HIGH OUTPUT IMPEDANCE	5625313	1994-09-12	1997-04-29
United States	STATIC-TYPE OF SEMICONDUCTOR MEMORY DEVICE HAVING GREAT LOW VOLTAGE OPERATION MARGIN	5642315	1995-09-28	1997-06-24
United States	MICROCOMPUTER HAVING A REGION DEFINABLE BY USER	5649219	1996-09-04	1997-07-15
United States	PARALLEL-TO-SERIAL-DATA CONVERSION CIRCUIT	5654707	1994-12-28	1997-08-05
United States	SEMICONDUCTOR DEVICE HAVING AN INTERNAL VOLTAGE STEP UP CONTROL CIRCUIT	5663926	1996-01-30	1997-09-02
United States	SEMICONDUCTOR CIRCUIT HAVING INPUT PROTECTIVE CIRCUIT	5691557	1994-12-16	1997-11-25
United States	SAMPLING AND HOLDING DEVICE	5698999	1996-03-28	1997-12-16
United States	METHOD OF AND APPARATUS FOR DEBUGGING MULTITASK PROGRAMS	5805892	1995-09-13	1998-09-08
United States	METHOD OF FABRICATING FIELD-EFFECT TRANSISTOR WITH AN LDD STRUCTURE	5985712	1997-11-04	1999-11-16
United States	TRANSIENT-CURRENT-PRODUCING METHOD, TRANSIENT-CURRENT-PRODUCING CIRCUIT, RELATED SEMICONDUCTOR INTEGRATED CIRCUIT AND LOGICAL CIRCUIT	6329866	2000-01-27	2001-12-11
United States	REFERENCE-CURRENT-GENERATING CIRCUIT	6377113	1996-10-11	2002-04-23
United States	SEMICONDUCTOR DEVICE AND PROCESS FOR PRODUCTION THEREOF	6413808	2000-07-17	2002-07-02
United States	SOLID-STATE IMAGE SENSOR HAVING VERTICAL TRANSFER ELECTRODES PROTECTED FROM SHORT CIRCUITING	6441853	1998-06-23	2002-08-27
United States	HIGH-SPEED VOLTAGE BOOSTING CIRCUIT	6459328	2000-11-13	2002-10-01
United States	EMBEDDED ISI HAVING A FERAM SECTION AND A LOGIC CIRCUIT SECTION	6465826	2001-01-02	2002-10-15
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE HAVING TRENCH INTERCONNECTION	6472318	2001-08-02	2002-10-29

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR MEMORY HAVING A PAIR OF BANK SELECT DRIVERS DRIVING EACH BANK SELECT LINE	6473327	2000-11-09	2002-10-29
United States	COPPER WIRING STRUCTURE COMPRISING A COPPER MATERIAL BURIED IN A HOLLOW OF AN INSULATING FILM AND A CARBON LAYER BETWEEN THE HOLLOW AND THE COPPER MATERIAL IN SEMICONDUCTOR DEVICE AND METHOD FABRICATING THE SAME	6482741	1999-08-20	2002-11-19
United States	CIRCUIT DEVICE WITH BONDING STRENGTH IMPROVED AND METHOD OF MANUFACTURING THE SAME	6486562	2000-06-07	2002-11-26
United States	FERRULE STRIP MEMORY DEVICE HAVING A PROTECTIVE LAYER	6495879	1999-11-22	2002-12-17
United States	SEMICONDUCTOR DEVICE CAPABLE OF SURELY FIXING VOLTAGE AT WELL	6495899	2001-03-30	2002-12-17
United States	SEMICONDUCTOR DEVICE HAVING RELIABLE COUPLING BETWEEN WIRING SUBSTRATE AND SEMICONDUCTOR PELLER	6504240	2000-12-15	2003-01-07
United States	SEMICONDUCTOR MEMORY DEVICE WITH IMPROVED REFERENCE SECTION	6507052	2000-08-21	2003-01-14
United States	SEMICONDUCTOR DEVICE	6515364	2001-04-10	2003-02-04
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	6521500	2000-06-29	2003-02-18
United States	ETCHING MASK, PROCESS FOR FORMING CONTACT HOLES USING SAME, AND SEMICONDUCTOR DEVICE MADE BY THE PROCESS	6559486	2000-11-30	2003-05-06
United States	COLOR SIGNAL CONVERSION BY MEANS OF THE FEWEST CONVERTER TABLES	6587223	1999-07-21	2003-07-01
United States	APPARATUS AND METHOD FOR DESIGNING SEMICONDUCTOR CIRCUIT, AND RECORDING MEDIUM	6591408	2000-09-26	2003-07-08
United States	MPREG DECODING DEVICE	6600787	2001-01-18	2003-07-29
United States	LOW-AMPLITUDE DRIVER CIRCUIT	6603334	2000-05-31	2003-08-05
United States	ETCHING MASK, PROCESS FOR FORMING CONTACT HOLES USING SAME, AND SEMICONDUCTOR DEVICE MADE BY THE PROCESS	6617245	2002-03-25	2003-09-09
United States	DIRECT MEMORY ACCESS CONTROLLER	6629160	2000-06-13	2003-09-30
United States	FUNCTION SYNTHESIZING METHOD AND APPARATUS, AND RECORDING MEDIUM ON WHICH PROGRAM OF SAID METHOD IS RECORDED	6711728	2000-02-18	2004-03-23
United States	LOW-AMPLITUDE DRIVER CIRCUIT	6724664	2002-08-20	2004-04-20
United States	APPARATUS FOR SELECTIVELY CUTTING FUSE ELECTRODES	6822309	2001-03-22	2004-11-23

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	APPEARANCE INSPECTION APPARATUS AND METHOD IN WHICH PLURAL THREADS ARE PROCESSED IN PARALLEL	6987994	2001-04-25	2006-01-17
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	7148571	2000-07-27	2006-12-12
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	5991221	1998-01-30	1999-11-23
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6154412	1999-09-17	2000-11-28
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6327212	2000-10-24	2001-12-04
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6407959	2001-06-06	2002-06-18
United States	SINGLE CHIP MICROCOMPUTER INTERNALLY INCLUDING A FLASH MEMORY	6453397	1999-12-14	2002-09-17
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6661715	2002-06-04	2003-12-09
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	6670251	2001-12-07	2003-12-30
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6723665	2003-04-02	2004-04-20
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6845046	2003-07-22	2005-01-18
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	7023729	2004-12-07	2006-04-04
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7045420	2004-03-08	2006-05-16
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7064040	2005-06-30	2006-06-20
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7074665	2003-11-06	2006-07-11
United States	SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE	7078759	2005-06-24	2006-07-18
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7094642	2005-04-21	2006-08-22
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7094655	2005-06-30	2006-08-22
United States	CARBON CONTAINING SILICON OXIDE FILM HAVING HIGH ASHING TOLERANCE AND ADHESION	7102236	2004-01-29	2006-09-05

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	7236419	2006-03-02	2007-06-26
United States	METHOD FOR FABRICATING SEMICONDUCTOR DEVICE	7314805	2006-09-13	2008-01-01
United States	SEMICONDUCTOR DEVICE COMPRISING A HIGHLY RELIABLE CONSTANT CAPACITANCE CAPACITOR	7368776	2006-01-23	2008-05-06
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	7385869	2007-05-04	2008-06-10
United States	CARBON CONTAINING SILICON OXIDE FILM HAVING HIGH ASHING TOLERANCE AND ADHESION	7420279	2006-06-28	2008-09-02
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7569457	2007-11-09	2009-09-04
United States	CARBON CONTAINING SILICON OXIDE FILM HAVING HIGH ASHING TOLERANCE AND ADHESION	7582970	2008-07-28	2009-09-01
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7754562	2009-02-10	2010-07-13
United States	SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE	7763926	2008-10-07	2010-07-27
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7795648	2009-02-10	2010-09-14
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7816204	2008-05-23	2010-10-19
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	8759891	2013-01-25	2014-06-24
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE AND METHOD OF MANUFACTURING THE SAME	5798551	1997-01-17	1998-08-25
United States	FLASH MEMORY INCORPORATING MICROCOMPUTER HAVING ON-BOARD WRITING FUNCTION	5872994	1996-11-12	1999-02-16
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE AND METHOD OF MANUFACTURE THEREOF	6603178	2001-01-04	2003-08-05
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6661063	2001-03-02	2003-12-09
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	6737712	2002-10-15	2004-05-18
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6747324	2003-06-16	2004-06-08

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	7030449	2004-09-29	2006-04-18
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7075157	2004-04-29	2006-07-11
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	7199433	2004-01-14	2007-04-03
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	7233735	2005-07-05	2008-01-29
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF FOR REDUCING THE AREA OF THE MEMORY CELL REGION	7439153	2006-10-03	2008-10-21
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	7598558	2007-10-29	2009-10-06
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF FOR REDUCING THE AREA OF THE MEMORY CELL REGION	7663193	2008-09-25	2010-02-16
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF FOR REDUCING THE AREA OF THE MEMORY CELL REGION	8183114	2009-12-11	2012-05-22
United States	Semiconductor Memory Apparatus, Semiconductor Apparatus, Data Processing Apparatus And Computer System	6396732	2000-05-24	2002-05-28
United States	Semiconductor Memory Device Operating With Low Power Consumption	6512715	2001-11-16	2003-01-28
United States	Semiconductor Memory Apparatus, Semiconductor Apparatus, Data Processing Apparatus And Computer System	6515894	2001-11-19	2003-02-04
United States	Semiconductor Device Including Interface Circuit, Logic Circuit, And Static Memory Array Having Transistors Of Various Threshold Voltages And Being Supplied With Various Supply Voltages	6545525	2000-02-02	2003-04-08
United States	Information Processing Apparatus Having A Bus Using The Protocol Of The Acknowledge Type In The Source Clock Synchronous System	6810454	2003-01-08	2004-10-26
United States	Semiconductor Device	7176745	2004-05-24	2007-02-13
United States	Semiconductor Device	7772917	2009-03-27	2010-08-10
United States	Semiconductor Device		2003-03-12	
United States	Data processor having unified memory architecture providing priority memory access	6717583	2001-11-26	2004-04-06
United States	Data processor having unified memory architecture using register to optimize memory access	6954206	2003-09-25	2005-10-11
United States	Semiconductor integrated circuit including charging pump	7598796	2007-11-27	2009-10-06

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Substrate bias switching unit for a low power processor	7058379	2008-12-30	2011-06-07
United States	SEMICONDUCTOR DEVICE WITH CONTACTS FORMED IN SELF-ALIGNMENT	5989951	1996-04-18	1999-11-23
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICES	6380095	2000-12-29	2002-04-30
United States	METHOD OF FABRICATING A SEMICONDUCTOR DEVICE	6610561	2001-05-07	2003-08-26
United States	SEMICONDUCTOR STORAGE DEVICE AND PROCESS FOR MANUFACTURING THE SAME	6617205	1998-05-20	2003-09-09
United States	SOLID-STATE IMAGE SENSING DEVICE WITH LIGHT SHIELDING MEMBER HAVING OPENINGS SPACED AT AN EQUAL PITCH	6642965	1999-07-14	2003-11-04
United States	SEMICONDUCTOR DEVICE WITH CONDUCTIVE CONTACT LAYER STRUCTURE	6731008	1996-10-07	2004-05-04
United States	SEMICONDUCTOR DEVICE WITH MULTIPLE LAYER INSULATING FILM	7084508	2002-08-07	2006-08-01
United States	SEMICONDUCTOR MEMORY ARRANGEMENTS WITH GROWN SHARED CAPACITOR ARRANGEMENTS TRENCHED IN INTERLAYER DIELECTRIC FILM	7196368	2004-08-10	2007-03-27
United States	SEMICONDUCTOR DEVICE AND DUMMY PATTERN ARRANGEMENT METHOD	7761833	2008-04-15	2010-07-20
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	7772032	2008-11-18	2010-08-10
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6639455	2003-01-24	2003-10-28
United States	MICROCOMPUTER AND MICROCOMPUTER SYSTEM	6763448	2000-02-14	2004-07-13
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6765434	2003-07-16	2004-07-20
United States	SEMICONDUCTOR DEVICE	7383138	2006-04-12	2008-06-03
United States	SEMICONDUCTOR DEVICE AND SEMICONDUCTOR SIGNAL PROCESSING APPARATUS	7562198	2005-06-09	2009-07-14
United States	SEMICONDUCTOR DEVICE AND SEMICONDUCTOR SIGNAL PROCESSING APPARATUS	7791962	2008-06-16	2010-09-07
United States	SEMICONDUCTOR DEVICE AND SEMICONDUCTOR SIGNAL PROCESSING APPARATUS	8089819	2010-08-16	2012-01-03
United States		6897499	2003-02-07	2005-05-24
United States		6909658	2004-05-11	2005-06-21
United States		6930924	2003-04-02	2005-08-16
United States		6949950	2004-02-24	2005-09-27
United States		7072225	2005-06-29	2006-07-04

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States		7663163	2007-07-12	2010-02-16
United States	SEMICONDUCTOR DEVICE CONTAINING VOLTAGE CONVERTING CIRCUIT AND OPERATING METHOD THEREOF	5283762	1991-05-06	1994-02-01
United States	LOW-DISTRIBUTION-CASCODE CIRCUIT	5514992	1994-07-12	1996-05-07
United States	SYNCHRONOUS-RANDOM-ACCESS-MEMORY	5515325	1994-12-12	1996-05-07
United States	METHOD OF EXECUTING READ-AND-WRITE OPERATIONS IN A SYNCHRONOUS-RANDOM-ACCESS-MEMORY	5752270	1997-04-28	1998-05-12
United States	SYNCHRONOUS-RANDOM-ACCESS-MEMORY	6026048	1998-01-13	2000-02-15
United States	SYNCHRONOUS-RANDOM-ACCESS-MEMORY	6327188	2000-01-04	2001-12-04
United States	HIGH-FREQUENCY ROWER AMPLIFYING APPARATUS HAVING AMPLIFYING STAGES WITH GAIN CONTROL SIGNALS OF LOWER AMPLITUDES APPLIED TO EARLIER PRECEDING STAGES	6463267	2000-04-17	2002-10-08
United States	SEMICONDUCTOR MEMORY DEVICE WITH OVER-DRIVING SENSE AMPLIFIER	6477100	2001-08-22	2002-11-05
United States	SEMICONDUCTOR MEMORY DEVICE HAVING READ-DATA MULTIPLEXER	6519187	2001-09-25	2003-02-11
United States	SEMICONDUCTOR DEVICE	6535415	2002-09-23	2003-03-18
United States	OUTPUT BUFFER CIRCUIT	6586973	1999-10-21	2003-07-01
United States	HIGH-FREQUENCY ROWER AMPLIFYING APPARATUS HAVING AMPLIFYING STAGES WITH GAIN CONTROL SIGNALS OF LOWER AMPLITUDES APPLIED TO EARLIER PRECEDING STAGES	6658243	2002-07-22	2003-12-02
United States	SEMICONDUCTOR DEVICE	6717835	2003-01-22	2004-04-06
United States	SEMICONDUCTOR DEVICE	6819613	2003-10-27	2004-11-16
United States	SEMICONDUCTOR DEVICE	7230867	2005-08-18	2007-06-12
United States	SEMICONDUCTOR DEVICE	7345938	2007-05-09	2008-03-18
United States	SEMICONDUCTOR DEVICE WITH HYDROGEN ION INTERCEPTING LAYER	5327224	1992-10-14	1994-07-05
United States	STACKED-TYPE SEMICONDUCTOR DEVICE	5355022	1992-08-28	1994-10-11
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE WITH HYDROGEN ION INTERCEPTING LAYER	5470764	1994-05-23	1995-11-28
United States	STACKED-TYPE SEMICONDUCTOR DEVICE	5504376	1994-04-04	1996-04-02
United States	SEMICONDUCTOR DEVICE HAVING A FLOATING NODE THAT CAN MAINTAIN A PREDETERMINED POTENTIAL FOR LONG TIME, A	5592009	1995-08-17	1997-01-07

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR MEMORY DEVICE HAVING HIGH DATA MAINTENANCE PERFORMANCE, AND A METHOD OF MANUFACTURING THEREOF	6612912	1999-08-10	2003-09-02
United States	METHOD FOR FABRICATING SEMICONDUCTOR DEVICE AND PROCESSING APPARATUS FOR PROCESSING SEMICONDUCTOR DEVICE	6737198	1999-05-26	2004-05-18
United States	PHOTOMASK, FABRICATION METHOD OF PHOTOMASK, AND FABRICATION METHOD OF SEMICONDUCTOR INTEGRATED CIRCUIT	5023934	1990-07-02	1991-06-11
United States	APPARATUS AND METHOD FOR COMMUNICATION OF VISUAL GRAPHIC DATA WITH RADIO SUBCARRIER FREQUENCIES	5128782	1990-05-10	1992-07-07
United States	LIQUID CRYSTAL DISPLAY UNIT WHICH IS BACK-LIT WITH COLORED LIGHTS	5416496	1993-03-19	1995-05-16
United States	FERROELECTRIC LIQUID CRYSTAL DISPLAY APPARATUS AND METHOD	6288695	1998-08-25	2001-09-11
United States	METHOD FOR DRIVING AN ADDRESSABLE MATRIX DISPLAY WITH LUMINESCENT PIXELS, AND DISPLAY APPARATUS USING THE METHOD	7253794	2002-02-11	2007-08-07
United States	DISPLAY APPARATUS AND METHOD	7382280	2006-05-02	2010-08-24
United States	ELECTROMAGNETICALLY SHIELDED HEARING AIDS	6546109	2000-01-03	2003-04-08
United States	VARYING THE RATE AT WHICH DATA APPEAR ON AN OPTICAL DISC ROTATED AT A CONSTANT LINEAR VELOCITY TO PREVENT UNAUTHORIZED DUPLICATION OF THE DISC	90700756	2005-10-05	2009-04-21
United States	AUTOMATIC VOICE RESPONSE SYSTEM FOR TAX RETURN STATUS	107826012		
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE	US6344388	6/4/1999	2/5/2002
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE	US6096641	6/4/1999	8/1/2000
United States	SEMICONDUCTOR DEVICE WITH A PARTICULAR CONDUCTOR ARRANGEMENT	US6639288	6/19/2000	10/28/2003
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF	US6580113	6/28/1999	6/17/2003
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	US6309958	9/8/1999	10/30/2001
United States	SEMICONDUCTOR DEVICE AND FABRICATION METHOD THEREOF	US6548990	10/21/1999	4/15/2003
United States	REDUNDANCY BUS BLOCK HAVING A SMALL OCCUPIED AREA	US6215173	11/12/1999	4/10/2001
United States	MULTILAYERED SEMICONDUCTOR DEVICE	US6369446	11/15/1999	4/9/2002
United States	MULTILAYERED SEMICONDUCTOR DEVICE	US6713872	4/3/2002	3/30/2004
United States	ELECTRODE STRUCTURE OF SEMICONDUCTOR ELEMENT	US6313540	12/22/1999	11/6/2001

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD OF MANUFACTURING AN ERROR DEVICE	US5576512	9/23/2002	6/10/2003
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING SILICIDE LAYERS	US5569742	12/23/1999	5/27/2003
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7166893	9/23/2002	1/23/2007
United States	METHOD OF MANUFACTURING MISFIT	US6235564	1/20/2000	5/22/2001
United States	{No Title}	US6348405	1/25/2000	2/19/2002
United States	METHOD OF MANUFACTURING A PACKAGED SEMICONDUCTOR DEVICE, AND A SEMICONDUCTOR DEVICE MANUFACTURED THEREBY	US6544814	1/31/2000	4/8/2003
United States	MICROCOMPUTER AND MICROCOMPUTER SYSTEM	US6907514	7/12/2004	6/14/2005
United States	METHOD OF FABRICATING A SEMICONDUCTOR DEVICE	US6309960	3/22/2000	10/30/2001
United States	METHOD FOR PRODUCING THREE DIMENSIONAL CIRCUITS	US6664132	11/20/2001	12/16/2003
United States	{No Title}	US6466484	1/28/2002	10/15/2002
United States	{No Title}	US6356480	6/7/2000	3/12/2002
United States	SEMICONDUCTOR DEVICE AND A MANUFACTURING PROCESS THEREFOR	US5514853	6/13/2000	2/4/2003
United States	PHOTOELECTRIC CONVERSION DEVICE AND METHOD OF MANUFACTURING THE SAME	US6407417	6/14/2000	6/18/2002
United States	GOPPER INTERCONNECTION	US670639	12/11/2001	12/30/2003
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING A GATE ELECTRODE HAVING A SILICIDE LAYER THEREON	US6908837	9/23/2002	6/21/2005
United States	SEMICONDUCTOR DEVICE HAVING GATE INSULATING LAYERS DIFFERENT IN THICKNESS AND MATERIAL AND PROCESSES FOR FABRICATION THEREOF	US6475862	8/10/2000	11/5/2002
United States	SEMICONDUCTOR DEVICE WITH DYNAMIC PATTERNS	US6563148	4/10/2001	5/13/2003
United States	SEMICONDUCTOR DEVICE WITH A FIRST DYNAMIC PATTERN	US6753246	4/22/2003	6/22/2004
United States	METHOD OF ARRANGING EXPOSED AREAS INCLUDING A LIMITED NUMBER OF TEST ELEMENT GROUP (TEG) REGIONS ON A SEMICONDUCTOR WAFER	US6492189	10/26/2000	12/10/2002
United States	SEMICONDUCTOR PRODUCT WAFER HAVING VERTICALLY AND HORIZONTALLY ARRANGED PATTERNED AREAS INCLUDING A LIMITED NUMBER OF TEST ELEMENT GROUP REGIONS	US6762433	9/19/2002	7/13/2004
United States	SEMICONDUCTOR WAFER SURFACE AND METHOD OF TREATING A SEMICONDUCTOR WAFER SURFACE	US6897150	11/20/2000	5/24/2005

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7352236	12/13/2006	4/1/2009
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US6970036	6/4/2004	11/29/2005
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7830204	2/26/2010	11/9/2010
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7161414	11/3/2005	1/9/2007
United States	SOLID-STATE IMAGING DEVICE AND METHOD FOR FABRICATING SAME	US6603144	12/8/2000	8/5/2003
United States	SEMICONDUCTOR DEVICE, DESIGNING METHOD AND DESIGNING DEVICE THEREOF	US6838770	6/27/2001	1/4/2005
United States	SEMICONDUCTOR DEVICE AND MOUNTED SEMICONDUCTOR DEVICE STRUCTURE	US6639315	8/10/2001	10/28/2003
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US5535056	6/6/2001	3/18/2003
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US6604505	4/8/2013	12/19/2013
United States	SEMICONDUCTOR DEVICE WITH AN ACTIVE REGION AND PLURAL DUMMY REGIONS	US6693315	11/2/2001	2/17/2004
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US59337147	6/19/2015	5/10/2016
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7948086	3/1/2010	5/24/2011
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING AN ACTIVE REGION AND DUMMY PATTERNS	US8119495	4/28/2011	2/21/2012
United States	SEMICONDUCTOR DEVICE HAVING ACTIVE REGION AND DUMMY WIRES	US8426969	1/31/2012	4/23/2013
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE INCLUDING DUMMY REGIONS AND DUMMY WIRES	US9064926	12/9/2013	6/23/2015
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7071560	12/31/2003	7/4/2006
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7696813	2/4/2008	4/13/2010
United States	Method, apparatus and computer programs for multiplexing and/or demultiplexing	US7415046	2/19/2002	8/19/2008
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7411302	5/10/2006	8/12/2008
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7589423	5/24/2007	9/15/2009

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for controlling the extinction ratio of transmitters	US6819480	5/2/2002	11/16/2004
United States	Conditional bandwidth subscriptions for multiprotocol label switching (MPLS) label switched paths (LSPs)	US7133366	5/7/2002	11/7/2006
United States	MICROPROCESSOR-INTERNALLY-PROVIDED-WITH-TEST-CIRCUIT	US6816983	2/20/2001	11/9/2004
United States	SEMICONDUCTOR-DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7687914	10/30/2007	3/30/2010
United States	SOLID-STATE-IMAGE-PICKUP-DEVICE	US7030918	6/27/2000	4/18/2006
United States	SEMICONDUCTOR-DEVICE AND METHOD FOR MANUFACTURING THE SAME	US6900539	10/17/2002	5/31/2005
United States	Method and device for authenticated access of a station to local data networks in particular radio data networks	US7756507	10/18/2004	7/13/2010
United States	SEMICONDUCTOR-MEMORY-DEVICE	US6791200	12/19/2002	9/14/2004
United States	SEMICONDUCTOR-DEVICE WITH CONTACTING ELECTRODES	US6919646	3/11/2003	7/19/2005
United States	SEMICONDUCTOR-DEVICE AND METHOD OF MANUFACTURING THE SAME	US6841420	9/11/2003	1/11/2005
United States	Variable bandwidth multi-granularity optical add/drop network	US6996307	9/9/2003	2/7/2006
United States	Optical network termination with automatic determination of geographic location	US7289731	1/29/2004	10/30/2007
United States	Flow control and congestion management for random scheduling in time-domain wavelength-interleaved networks	US7573815	3/4/2005	8/11/2009
United States	Establishment of a transcoder-free operation connection	US6130683B2	4/18/2005	3/6/2012
United States	Establishment of a transcoder-free operation connection	US6351360B2	1/27/2012	1/8/2013
United States	METHOD FOR CUTTING AN ELECTRIC FUSE	US6372730	6/23/2011	2/12/2013
United States	SEMICONDUCTOR-DEVICE	US6873643	5/18/2008	12/6/2011
United States	SEMICONDUCTOR-DEVICE AND METHOD FOR CUTTING ELECTRIC FUSE	US7989913	5/11/2007	8/2/2011
United States	System, method and computer readable medium for providing dual rate transmission on a gigabit passive optical network	US6886104	2/15/2008	12/27/2011
United States	SEMICONDUCTOR-DEVICE AND DUMMY-PATTERN ARRANGEMENT METHOD	US6972078	12/7/2009	12/6/2011
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	US7973158	7/8/2010	7/12/2011
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	US6278143	6/22/2011	10/2/2012

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	US0259589	2/9/2011	9/4/2012
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	US0372709	9/14/2012	2/12/2013
United States	SEMICONDUCTOR DEVICE	US0304905	7/27/2011	11/6/2012
United States	Cloud computing infrastructure, method and application	US0787604	1/4/2015	10/19/2017

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	AMERICAN VEHICULAR SCIENCES LLC			
United States	OPTICAL IDENTIFICATION AND MONITORING SYSTEM USING PATTERN RECOGNITION FOR USE WITH VEHICLES	5835613	1995-06-07	1998-11-10
United States	OPTICAL IDENTIFICATION AND MONITORING SYSTEM USING PATTERN RECOGNITION FOR USE WITH VEHICLES	5845000		1998-12-01
United States	PLASTIC FILM AIRBAG	61449194	1998-05-04	2000-11-21
United States	EFFICIENT AIRBAG SYSTEM	6179326	1998-05-06	2001-01-30
United States	TUBULAR AIRBAG, METHOD OF MAKING THE SAME AND OCCUPANT PROTECTION SYSTEM INCLUDING THE SAME	6250668	2000-03-27	2001-06-26
United States	VEHICULAR SEATS INCLUDING OCCUPANT PROTECTION APPARATUS	6331014	2000-07-11	2001-12-18
United States	ACCIDENT AVOIDANCE SYSTEM	6405132	2000-10-04	2002-06-11
United States	VEHICULAR OCCUPANT MOTION DETECTION SYSTEM USING RADAR	6736231	2001-06-26	2004-05-18
United States	SYSTEM AND METHOD FOR MOVING A HEADREST BASED ON ANTICIPATORY SENSING	6746078	2002-09-03	2004-06-08
United States	METHOD AND SYSTEM FOR CONTROLLING A VEHICLE	6768944	2002-08-09	2004-07-27
United States	SYSTEM AND METHOD FOR DETECTING THE PRESENCE OF AN OBJECT IN AN APERTURE	6984818	2004-12-01	2006-01-10
United States	METHOD FOR CONTROLLING OUTPUT OF A CLASSIFICATION ALGORITHM	7009502	2003-08-20	2006-03-07
United States	VEHICULAR BLIND SPOT IDENTIFICATION AND MONITORING SYSTEM	7049945	2001-05-08	2006-05-23
United States	METHOD AND SYSTEM FOR CONTROLLING A VEHICLE	7085637	2004-04-12	2006-08-01
United States	COMMUNICATION METHOD AND ARRANGEMENT	7110880	2005-01-03	2006-09-19
United States	INTERACTIVE VEHICLE DISPLAY SYSTEM	7126583	2000-08-24	2006-10-24
United States	METHOD AND SYSTEM FOR DETECTING OBJECTS EXTERNAL TO A VEHICLE	7202776	2005-01-12	2007-04-10
United States	METHOD FOR OBTAINING AND DISPLAYING INFORMATION ABOUT OBJECTS IN A VEHICULAR BLIND SPOT	7209221	2005-04-21	2007-04-24
United States	ACCIDENT AVOIDANCE SYSTEMS AND METHODS	7295925	2006-11-22	2007-11-13
United States	WEIGHT MEASURING SYSTEMS AND METHODS FOR VEHICLES	730784	2006-05-25	2008-02-12
United States	COLLISION AVOIDANCE METHODS AND SYSTEMS	7418346	2006-08-01	2008-08-26
United States	ACCIDENT AVOIDANCE SYSTEMS AND METHODS	7426437	2007-03-05	2008-09-16

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD AND APPARATUS FOR CONTROLLING A VEHICLE DOOR	7438346	2005-09-19	2008-10-21
United States	FIRE MONITORING TECHNIQUES	7467934	2006-10-30	2008-12-16
United States	AIRBAG INFLATION CONTROL-BASED ON SENSED CONTACT WITH OCCUPANT	7575248	2006-07-12	2009-08-18
United States	SELF-POWERED FIRE MONITORING SYSTEM	7603894	2007-10-30	2009-10-20
United States	REAR IMPACT OCCUPANT PROTECTION APPARATUS AND METHOD	7604080	2006-05-01	2009-10-20
United States	VEHICLE POSITION DETERMINING SYSTEM AND METHOD	7610146	2007-10-19	2009-10-27
United States	VEHICULAR COMMUNICATION ARRANGEMENT AND METHOD	7629899	2006-08-14	2009-12-08
United States	INFORMATION MANAGEMENT AND MONITORING SYSTEM AND METHOD	7630802	2006-06-05	2009-12-08
United States	VEHICULAR INTERSECTION MANAGEMENT TECHNIQUES	7647190	2008-03-17	2010-01-12
United States	VEHICLE COMMUNICATIONS USING THE INTERNET	7672756	2006-06-01	2010-03-02
United States	IMAGE PROCESSING FOR VEHICULAR APPLICATIONS APPLYING IMAGE COMPARISONS	7676062	2007-10-11	2010-03-09
United States	VEHICULAR FIRE MONITORING BASED ON SENSED ACCELERATION	7693626	2007-02-22	2010-04-06
United States	REAR IMPACT OCCUPANT PROTECTION APPARATUS AND METHOD	7695015	2007-10-26	2010-04-13
United States	AIRBAG DEPLOYMENT TECHNIQUES	7726684	2007-10-30	2010-06-01
United States	IMAGE PROCESSING FOR VEHICULAR APPLICATIONS APPLYING EDGE DETECTION TECHNIQUE	7769513	2007-08-20	2010-08-03
United States	SYSTEM AND METHOD FOR PREVENTING VEHICULAR ACCIDENTS	7783403	2007-10-18	2010-08-24
United States	VEHICULAR RFID AND SENSOR ASSEMBLIES	7786864	2006-08-01	2010-08-31
United States	VEHICLE TO INFRASTRUCTURE INFORMATION CONVEYANCE SYSTEM AND METHOD	7791503	2007-10-18	2010-09-07
United States	COMBINED IMAGING AND DISTANCE MONITORING FOR VEHICULAR APPLICATIONS	7796081	2008-03-10	2010-09-14
United States	REMOTE MONITORING OF FLUID STORAGE TANKS	7819003	2007-10-01	2010-10-26
United States	ROAD PHYSICAL CONDITION MONITORING TECHNIQUES	7840342	2008-02-18	2010-11-23
United States	ACCIDENT AVOIDANCE SYSTEMS AND METHODS	7840355	2008-09-11	2010-11-23
United States	SWITCH ASSEMBLIES AND METHOD FOR CONTROLLING VEHICULAR COMPONENTS	7889594	2006-07-03	2011-02-01

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	VEHICULAR COMPONENT CONTROL USING WIRELESS SWITCH ASSEMBLIES	79889096	2007-02-22	2011-02-15
United States	METHOD FOR OBTAINING INFORMATION ABOUT OBJECTS OUTSIDE OF A VEHICLE	7999616	2008-03-31	2011-03-01
United States	ACCIDENT AVOIDANCE SYSTEM	7999621	2010-03-11	2011-03-01
United States	METHOD AND SYSTEM FOR OBTAINING INFORMATION ABOUT RFID-EQUIPPED OBJECTS	7911324	2007-05-30	2011-03-22
United States	INFORMATION TRANSFER ARRANGEMENT AND METHOD FOR VEHICLES	7912645	2007-07-16	2011-03-22
United States	VEHICULAR HEADS-UP DISPLAY SYSTEM	7920102	2006-10-23	2011-04-05
United States	AUTONOMOUS VEHICLE TRAVEL CONTROL SYSTEMS AND METHODS	7979172	2008-03-17	2011-07-12
United States	AUTONOMOUS VEHICLE TRAVEL CONTROL SYSTEMS AND METHODS	7979173	2008-03-17	2011-07-12
United States	VEHICULAR ENVIRONMENT SCANNING TECHNIQUES	7983802	2008-03-17	2011-07-19
United States	METHOD AND ARRANGEMENT FOR OBTAINING INFORMATION ABOUT VEHICLE OCCUPANTS	7983817	2005-01-03	2011-07-19
United States	VEHICLE TRAFFIC CONTROL DEVICE COMMUNICATION TECHNIQUES	7983836	2008-02-18	2011-07-19
United States	AIRBAG DEPLOYMENT CONTROL USING SEATBELT MOUNTED SENSOR	7988190	2007-10-26	2011-08-02
United States	INTERSECTION COLLISION AVOIDANCE TECHNIQUES	8000897	2008-01-10	2011-08-16
United States	MONITORING USING CELLULAR PHONES	8014789	2007-10-30	2011-09-06
United States	VEHICLE DIAGNOSTIC AND PROGNOSTIC METHODS AND SYSTEMS	8010501	2007-08-02	2011-09-13
United States	VEHICLE DIAGNOSTIC TECHNIQUES	8024084	2007-10-31	2011-09-20
United States	VEHICULAR HEADS-UP DISPLAY SYSTEM	8032264	2007-10-30	2011-10-04
United States	VEHICULAR MAP DATABASE MANAGEMENT TECHNIQUES	8209120	2008-03-10	2012-06-26
United States	VEHICLE DIAGNOSTIC INFORMATION GENERATING AND TRANSMISSION SYSTEMS AND METHODS	8229624	2008-02-21	2012-07-24
United States	INTRA-VEHICLE INFORMATION CONVEYANCE SYSTEM AND METHOD	8255144	2007-10-18	2012-08-28
United States	DRIVER FATIGUE MONITORING SYSTEM AND METHOD	8604932	2008-12-22	2013-12-10
United States	VEHICLE SPEED CONTROL METHOD AND ARRANGEMENT	8630795	2012-04-24	2014-01-14
United States	EYE LOGGATION DEPENDENT VEHICULAR HEADS-UP DISPLAY SYSTEM	8686922	2008-03-13	2014-04-01
United States	DRIVER HEALTH AND FATIGUE MONITORING SYSTEM AND METHOD	8725311	2012-03-14	2014-05-13

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	TECHNIQUE FOR ENSURING SAFE TRAVEL OF A VEHICLE OR SAFETY OF AN OCCUPANT THEREIN	8768573	2012-10-11	2014-07-01
United States	VEHICULAR HEADS-UP DISPLAY SYSTEM	8818647	2007-10-26	2014-08-26
United States	TECHNIQUES FOR IMPROVING SAFE OPERATION OF A VEHICLE	8880296	2013-11-12	2014-11-04
United States	INFORMATION TRANSMITTAL TECHNIQUES FOR VEHICLES	8892271	2012-06-25	2014-11-18
United States	VEHICLE COMPONENT CONTROL METHODS AND SYSTEMS	9008854	2012-05-04	2015-04-15
United States	SINGLE-SIDE CURTAIN AIRBAG FOR VEHICLES	9043093	2007-10-31	2015-05-26
United States	VEHICULAR CRASH NOTIFICATION SYSTEM	9102220	2007-10-25	2015-08-11
United States	MAPPING TECHNIQUES USING PROBE VEHICLES	9103671	2012-11-27	2015-08-11
United States	DRIVER FATIGUE MONITORING	9129505	2013-12-10	2015-09-08
United States	VEHICLE SOFTWARE UPGRADE TECHNIQUES	9443358	2007-10-31	2016-09-13
United States	METHOD FOR IDENTIFYING THE PRESENCE AND ORIENTATION OF AN OBJECT IN A VEHICLE	5943295	1997-08-28	1999-08-24
United States	VEHICLE COMPUTER DESK AND USE TECHNIQUES	11/940669	2007-11-15	
United States	VEHICLE SOFTWARE UPGRADE TECHNIQUES	13/964143	2013-08-12	
United States	METHOD AND SYSTEM FOR GUIDING A PERSON TO A LOCATION	14/931441	2015-11-03	
United States		11/858479		
United States		12/840148		

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	BONUSTI SKELETAL INNOVATIONS LLC			
United States	EXPANDABLE CANNULA	5961499	1995-06-06	1999-10-05
United States	METHOD OF USING EXPANDABLE CANNULA	6338730	1995-06-06	2002-01-15
United States	METHOD AND APPARATUS FOR POSITIONING A SUTURE ANCHOR	5814073	1996-12-13	1998-09-29
United States	SUTURE ANCHOR	5718717	1996-08-19	1998-02-17
United States	SUTURE ANCHOR	5980559	1997-11-04	1999-11-09
United States	SUTURE ANCHOR	6007567	1999-03-01	1999-12-28
United States	METHOD FOR SECURING TISSUE WITH ANCHOR	6152949	1999-08-20	2000-11-28
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6010525	1997-08-01	2000-01-04
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6468293	2001-05-07	2002-10-22
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	7147652	2002-09-05	2006-12-12
United States	METHOD FOR IMPLANTING A FLOWABLE FASTENER	7879072	2006-05-31	2011-02-01
United States	METHOD AND APPARATUS FOR USE IN ANCHORING A SUTURE	5514072	1996-11-15	1998-09-29
United States	APPARATUS AND METHOD FOR USE IN POSITIONING A SUTURE ANCHOR	5948002	1998-02-11	1999-09-07
United States	APPARATUS AND METHOD FOR USE IN POSITIONING A SUTURE ANCHOR	6033430	1999-06-30	2000-03-07
United States	APPARATUS AND METHOD FOR USE IN POSITIONING AN ANCHOR	6312448	2000-01-07	2001-11-06
United States	APPARATUS AND METHOD FOR USE IN POSITIONING AN ANCHOR	6428562	2001-01-22	2002-08-06
United States	METHOD AND APPARATUS FOR USE IN OPERATING ON A BONE	6086593	1998-06-30	2000-07-11
United States	METHOD AND APPARATUS FOR USE IN OPERATING ON A BONE	6575982	2000-05-05	2003-06-10
United States	CHANGING RELATIONSHIP BETWEEN BONES	6099531	1998-08-20	2000-08-08
United States	CHANGING RELATIONSHIP BETWEEN BONES	6423063	2000-05-11	2002-07-23
United States	SPINAL IMPLANT AND METHODS FOR CHANGING SPATIAL RELATIONSHIPS BETWEEN VERTEBRAE	7092261	2004-01-13	2011-02-22
United States	JOINT SPACER	8956417	2013-01-18	2015-02-15
United States	BONE SUTURE	5921986	1998-02-06	1999-07-13
United States	BONE SUTURE	6117160	1999-06-01	2000-09-12
United States	BONE SUTURE	6045551	1999-07-29	2000-04-04
United States	METHOD OF TREATING A FRACTURED BONE	6238395	2000-03-22	2001-05-29

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD OF POSITIONING BODY TISSUE RELATIVE TO A BONE	6638279	2001-04-16	2003-10-28
United States	APPARATUS AND METHOD FOR SECURING A PORTION OF A BODY	8147514	2009-01-26	2012-04-03
United States	METHOD OF SECURING TISSUE	6447516	1999-08-09	2002-09-10
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6231592	1999-10-28	2001-05-15
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6475230	2000-03-10	2002-11-05
United States	METHOD OF SECURING BODY TISSUE	6635073	2001-02-21	2003-10-21
United States	METHOD OF SECURING BODY TISSUE	7087073	2003-04-14	2006-08-08
United States	INSTRUMENTATION FOR MINIMALLY INVASIVE JOINT REPLACEMENT AND METHODS FOR USING SAME	6702821	2001-08-28	2004-03-09
United States	LIMITED INCISION TOTAL JOINT REPLACEMENT METHODS	7959635	2004-03-08	2011-06-14
United States	METHOD OF PERFORMING SURGERY	7104996	2002-07-08	2006-09-12
United States	KNEE-ARTHROPLASTY METHOD	8133229	2003-10-14	2012-03-13
United States	KNEE-ARTHROPLASTY METHOD	7806896	2003-11-25	2010-10-05
United States	SYSTEM AND METHOD FOR TOTAL JOINT REPLACEMENT	7892236	2005-01-18	2011-02-22
United States	TOTAL KNEE-ARTHROPLASTY THROUGH SHORTENED INCISION	7749229	2005-06-30	2010-07-06
United States	METHOD FOR TOTAL KNEE-ARTHROPLASTY AND RESETTING BONE IN SITU	7708740	2005-06-30	2010-05-04
United States	KNEE-ARTHROPLASTY AND PRESERVATION OF THE QUADRICEPS MECHANISM	7806897	2005-06-30	2010-10-05
United States	METHOD OF PREPARING BONES FOR KNEE REPLACEMENT SURGERY	7708741	2005-06-30	2010-05-04
United States	SURGICAL DRAPING SYSTEM	8739797	2006-10-03	2014-06-03
United States	INFLAT-ARTICULAR IMPLANT	7828852	2007-03-09	2010-11-09
United States	METHOD OF RESURFACING AN ARTICULAR SURFACE OF A BONE	7931690	2007-03-09	2011-04-26
United States	MINIMALLY INVASIVE SURGICAL SYSTEMS AND METHODS	7837736	2007-10-30	2010-11-23
United States	METHOD OF PREPARING A FEMUR AND TIBIA IN KNEE-ARTHROPLASTY	8632552	2013-03-14	2014-03-21
United States	METHOD FOR ROBOTIC-ARTHROPLASTY USING NAVIGATION	8641726	2013-03-14	2014-02-04
United States	ROBOTIC-ARTHROPLASTY SYSTEM INCLUDING NAVIGATION	8623030	2013-03-14	2014-01-07
United States	METHOD FOR ROBOTIC-ARTHROPLASTY USING NAVIGATION	8834490	2013-10-29	2014-09-16
United States	METHOD OF PERFORMING TOTAL KNEE-ARTHROPLASTY	9192459	2014-04-22	2015-11-24
United States	ROBOTIC-ARTHROPLASTY SYSTEM INCLUDING NAVIGATION	9060797	2014-08-05	2015-06-23

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	SEGMENTAL-KNEE-ARTHROPLASTY	87884495	2010-06-08	2014-07-22
United-States	APPARATUS-AND-METHOD-FOR-SECURING-A-SUTURE	7094251	2002-08-27	2006-08-22
United-States	APPARATUS-AND-METHOD-FOR-SECURING-A-SUTURE	7054750	2006-08-17	2010-12-21
United-States	METHOD-FOR-JOINING-IMPLANTS	8162977	2007-10-31	2012-04-24
United-States	SURGICAL-DRAPING-SYSTEM	7114500	2002-10-03	2006-10-03
United-States	SUTURE-ANGHOR	5089282	1997-09-15	1999-11-23
United-States	SUTURE-ANGHOR-INSERTER-ASSEMBLY-AND-METHOD	5782862	1996-07-01	1998-07-21
United-States	SUTURE-ANGHOR-INSERTER-ASSEMBLY-AND-METHOD	5897574	1998-07-07	1999-04-27
United-States	METHOD-OF-USING-ULTRASONIC-VIBRATION-TO-SECURE-BODY-TISSUE	6368343	2000-03-13	2002-04-09
United-States	METHOD-OF-USING-ULTRASONIC-VIBRATION-TO-SECURE-BODY-TISSUE	6685750	2002-02-15	2003-07-01
United-States	METHOD-AND-DEVICE-FOR-SECURING-BODY-TISSUE	9138222	2004-02-17	2015-09-22
United-States	METHOD-AND-DEVICE-FOR-SECURING-BODY-TISSUE	8932330	2004-02-17	2015-01-13
United-States	METHOD-OF-USING-ULTRASONIC-VIBRATION-TO-SECURE-BODY-TISSUE WITH-FASTENING-ELEMENT	8747439	2006-07-10	2014-06-10
United-States	METHOD-OF-USING-ULTRASONIC-VIBRATION-TO-SECURE-BODY-TISSUE WITH-FASTENING-ELEMENT	9067362	2007-10-31	2015-06-30
United-States	METHOD-AND-DEVICE-FOR-SECURING-BODY-TISSUE	7329263	2004-03-09	2008-02-12
United-States	METHOD-AND-APPARATUS-FOR-SECURING-A-SUTURE	6159234	1999-07-07	2000-12-12
United-States	SPACER	8486066	2003-05-15	2013-07-16
United-States	WEDGE-APPARATUS-FOR-USE-IN-OPERATING-ON-A-BONE	860944	2007-10-30	2014-04-08
United-States	WEDGE-APPARATUS-FOR-USE-IN-OPERATING-ON-A-BONE	8705363	2013-03-19	2014-08-05
United-States	WEDGE-APPARATUS-FOR-USE-IN-OPERATING-ON-A-BONE	9044322	2014-07-29	2015-06-02
United-States	WEDGE-APPARATUS-FOR-USE-IN-OPERATING-ON-A-BONE	9050152	2014-12-17	2015-06-09
United-States	CHANGING-RELATIONSHIP-BETWEEN-BONES	7780670	2002-06-05	2010-08-24
United-States	JOINT-SPACER	9044341	2004-01-13	2015-06-02
United-States	METHOD-AND-APPARATUS-FOR-SECURING-A-SUTURE	6569187	2000-10-10	2003-05-27
United-States	METHOD-OF-SECURING-TISSUE	8845699	2012-03-06	2014-09-30
United-States	METHOD-OF-SECURING-BODY-TISSUE	8814902	2006-07-31	2014-08-26
United-States	METHODS-FOR-ROBOTIC-ARTHROPLASTY	9101443	2012-02-29	2015-08-11

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHODS FOR ROBOTIC ARTHRORPLASTY	8958557	2013-10-29	2014-10-14
United States	METHODS FOR ROBOTIC ARTHRORPLASTY	8840629	2013-10-29	2014-09-23
United States	SEGMENTAL KNEE ARTHRORPLASTY	14/725070	2015-05-29	
United States	SEGMENTAL KNEE ARTHRORPLASTY	14/958967	2015-12-04	
United States	METHOD OF USING ULTRASONIC VIBRATION TO SECURE BODY TISSUE	11/370775	2006-03-08	
United States	METHOD AND APPARATUS FOR USE IN ANCHORING A SUTURE	99/005433	1999-08-09	2005-03-29
United States		08/457293	1995-06-01	
United States		08/472327	1995-06-07	
United States		08/770652	1998-12-19	

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Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	CELLULAR COMMUNICATIONS EQUIPMENT LLC			
United States	Apparatus, and associated method, for communicating packet data in a SDMA (Space-Division, Multiple Access) communication scheme	US6721302	11/17/2000	4/13/2004
United States	Method for allocating information transfer capacity in mobile communication system and mobile communication system	US7274410	7/2/2003	10/2/2007
United States	System, mobile station and method for delivering services	US7043261	6/27/2003	5/9/2006
United States	Control of terminal applications in a network environment	US7218923	6/8/2004	5/15/2007
United States	Apparatus and method for scheduling in carrier aggregated communication systems based on a transmit-receive frequency gap band	US8948110	10/2/2012	2/3/2015

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	INNOVATIVE DISPLAY TECHNOLOGIES, LLC			
United States	TRANSREFLECTORS, TRANSREFLECTOR SYSTEMS AND DISPLAYS AND METHODS OF MAKING TRANSREFLECTORS	6827456	2001-12-05	2004-12-07
United States	LIGHT-REDIRECTING FILMS INCLUDING NON-INTERLOCKABLE OPTICAL ELEMENTS	7364341	2004-09-30	2008-04-29
United States	TRANSREFLECTORS, TRANSREFLECTOR SYSTEMS AND DISPLAYS AND METHODS OF MAKING TRANSREFLECTORS	7497599	2006-01-30	2009-03-03
United States	LIGHT-REDIRECTING FILMS, PATTERN OF VARIABLE OPTICAL ELEMENTS	7364342	2006-07-11	2008-04-29
United States	TRANSREFLECTORS, TRANSREFLECTOR SYSTEMS AND DISPLAYS AND METHODS OF MAKING TRANSREFLECTORS	7448775	2006-07-25	2008-11-11
United States	TRANSREFLECTORS, TRANSREFLECTOR SYSTEMS AND DISPLAYS AND METHODS OF MAKING TRANSREFLECTORS	7887227	2008-08-19	2011-02-15
United States	EDGE-LIT PANEL WITH CURVILINEAR LIGHT-EXTRACTING DEFORMITIES	8322905	2011-12-07	2012-12-04
United States	LONG-CURVED WEDGES IN AN OPTICAL FILM	7367705	2005-11-03	2008-05-06

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	LIFEPOINT SCIENCES LLC			
United States	MESH AND STENT FOR INCREASED FLEXIBILITY	6673103	2000-05-16	2004-01-06
United States	METHODS AND APPARATUS FOR TREATING ANEURYSMS AND ARTERIOVENOUS FISTULAS	7806857	2003-06-13	2010-10-05
United States	STAGED DEPLOYMENT ENDOGRAFT	7297156	2006-06-08	2007-11-20
United States	ARTIFICIAL GRAFT AND IMPLANTATION METHOD	6030413	1991-08-29	2000-02-29
United States	INTRALUMINAL GRAFTING SYSTEM	6221102	1995-06-07	2001-04-24
United States	HOOK FOR ATTACHING TO A CORPoreal LUMEN AND METHOD OF MANUFACTURING	6517573	2000-04-11	2003-02-11
United States	HOOK FOR ATTACHING TO A CORPoreal LUMEN AND METHOD OF MANUFACTURING	7147662	2002-12-19	2006-12-12
United States	MECHANISM FOR SECURING TO A CORPoreal LUMEN AND METHOD OF MANUFACTURING	7998194	2010-04-30	2011-08-16
United States	SYSTEM AND METHOD FOR FORMING A JUNCTION BETWEEN ELEMENTS OF A MODULAR ENDOVASCULAR PROSTHESIS	7135037	2000-05-01	2006-11-14
United States	MODULAR GRAFT COMPONENT JUNCTIONS	7226474	2002-03-04	2007-06-05
United States	MODULAR GRAFT COMPONENT JUNCTIONS	9107743	2012-12-20	2015-08-18
United States	ENDOVASCULAR GRAFTING DEVICE	8211166	2003-02-26	2012-07-03
United States	METHOD OF MAKING A STENT-GRAFT COVERED WITH EXPANDED POLYTETRAFLUOROETHYLENE	5788626	1996-11-18	1998-08-04
United States	EXPANDABLE STENT-GRAFT COVERED WITH EXPANDED POLYTETRAFLUOROETHYLENE	6165211	1997-12-11	2000-12-26
United States	EXPANDABLE STENT-GRAFT COVERED WITH EXPANDED POLYTETRAFLUOROETHYLENE	RE40122	2001-06-01	2008-02-26
United States	STENT-GRAFT-MEMBRANE AND METHOD OF MAKING THE SAME	6156064	1998-08-14	2000-12-05
United States	ENDOLUMINAL STENT	8192482	2001-10-15	2012-06-05
United States	BIFURCATED ENDOLUMINAL PROSTHESIS	7942919	2004-02-23	2011-05-17
United States	BALLOON-ASSISTED INTRALUMINAL STENT GRAFT	6402779	1999-07-26	2002-06-11
United States	METHOD OF MAKING LARGE DIAMETER VASCULAR PROSTHESES AND A VASCULAR PROSTHESIS MADE BY SAID METHOD	6187054	1999-02-04	2001-02-13
United States	EXPANDABLE VASCULAR PROSTHESIS	6443981	2000-05-19	2002-09-03

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD OF MAKING LARGE DIAMETER VASCULAR PROSTHESES AND VASCULAR PROSTHESIS MADE BY SAID METHOD	6605119	2000-11-01	2003-08-12
United States	VARIABLE STENT AND METHOD FOR TREATMENT OF ARTERIAL DISEASE	6030414	1997-11-13	2000-02-29
United States	EXPANDABLE STENT-GRAFT COVERED WITH EXPANDED POLYTETRAFLUOROETHYLENE	6524334	2000-04-21	2003-02-25
United States	BIFURCATED GRAFT WITH INCREASING DIAMETER LEG	09/637505	2000-08-11	

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	LIMESTONE MEMORY SYSTEMS, LLC SYNCHRONOUS SEMICONDUCTOR MEMORY HAVING A BURST TRANSFER MODE WITH A PLURALITY OF SUBARRAYS ACCESSIBLE IN PARALLEL VIA AN INPUT BUFFER	5805504	1996-11-29	1998-09-08
United States	METHOD FOR HIGH SPEED PROGRAMMING OF A NONVOLATILE SEMICONDUCTOR MEMORY DEVICE	5043260	1998-02-20	1999-08-24
United States	SEMICONDUCTOR MEMORY DEVICE WITH REDUNDANCY CIRCUIT	5894441	1998-03-31	1999-04-13
United States	SEMICONDUCTOR MEMORY DEVICE WITH IMPROVED FLEXIBLE REDUNDANCY SCHEME	6233181	1999-02-17	2001-05-15
United States	SEMICONDUCTOR MEMORY DEVICE WITH IMPROVED FLEXIBLE REDUNDANCY SCHEME	6545931	2002-08-28	2003-04-08
United States	GLOCK SYNCHRONOUS SEMICONDUCTOR MEMORY DEVICE	6697296	2002-05-09	2004-02-24

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	MOBILE ENHANCEMENT SOLUTIONS, LLC			
United States	MOBILE TELEPHONE WITH AMPLIFIED LISTENING	6448989	1998-07-28	2000-11-14
United States	TRANSMISSION SYSTEM WITH IMPROVED SYNCHRONIZATION	6415325	1998-12-16	2002-07-02
United States	PROVIDING IDLE PERIODS IN AN OTHERWISE CONTINUOUS TRANSMISSION TO MONITOR SIGNAL QUALITY IN ALTERNATE COMMUNICATIONS CHANNELS	7173920	2003-03-31	2007-02-06
United States	TRANSMITTING DATA FRAMES WITH LESS INTERFRAME SPACE (IFS) TIME	7317687	2004-07-13	2008-01-08

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
MONARCH NETWORKING SOLUTIONS				
United States	GMS image sensor and manufacturing method thereof	US6635912	9/7/2001	10/21/2003
United States	Nonvolatile memory with independent access capability to associated buffer	US7334080	5/3/2005	2/19/2008
United States	Non-volatile memory having multiple erase operations	US7581058	12/24/2007	8/25/2009
United States	Semiconductor device with non-volatile memory and random access memory	US64932716	12/6/2010	4/30/2013
United States	Method and system for accessing a peer-to-peer network	US7342028	4/30/2004	3/11/2008
United States	Method and system for protecting a communication network, said communication network including a transport network	US7764602	12/15/2006	7/27/2010
United States	Method for control management based on a routing protocol	US6516148	12/11/2006	8/20/2013
United States	Method and system for the transfer of communication network administration information	US6321544	7/5/2007	11/27/2012
United States	System and method for managing virtual user domains	US7765583	2/28/2005	7/27/2010
United States	Method for controlling routing in a packet network supported by a transport network	US7978687	5/22/2008	7/12/2011
United States	Method and device for creating a tunnel in a label-switched telecommunication network	US7852840	10/29/2007	12/14/2010
United States	Network management method, a system and a device	US5100267	12/4/2007	8/4/2015
United States	System for multicast broadcasting towards at least one roaming user terminal in a mobile IP network	US600279	6/14/2007	8/16/2011
United States	Method for operating a local computer network connected to a remote private network by an IPsec tunnel, software module and IPsec gateway	US7869451	12/14/2005	1/11/2011
United States	Addressing method for transporting data on a telecommunication network, core addressing address structure, signal, gateway and computer program	US7965737	10/30/2008	6/21/2011
United States	Method and apparatus for dynamic assignment of sets of addresses	US6214477	10/1/2008	7/3/2012
United States	IP telephony service interoperability	US676856	6/27/2008	11/5/2013
United States	Burn-in system for multiple data transmission	US6427094	12/22/2008	4/23/2013
United States	Method of propagating multiple IP telephony routes, and a corresponding location server and computer program	US6514843	10/20/2008	8/20/2013
United States	Method for transmitting a plurality of identifier fields in a packet-switch network	US7953091	10/28/2008	5/31/2011

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System for securing the access to a destination in a virtual private network	US0379511	3/25/2009	2/19/2013
United-States	Routing method in a label-switching network	US0218432	3/23/2009	7/10/2012
United-States	Core-router capable of securing the output-router of an autonomous system	US0223629	3/20/2009	7/17/2012
United-States	Method of routing an SIP message in the event of unavailability of intermediate nodes	US0964524	8/18/2009	2/24/2015
United-States	Method of supervising a plurality of units in a communications network	US0826296	6/29/2009	9/2/2014
United-States	Method of routing a data packet via a router in a packet communications network supported by a transport network	US0824277	7/14/2009	9/2/2014
United-States	Method for organizing packets belonging to streams and associated equipment	US7933204	12/19/2007	4/26/2011
United-States	Packet assembly in a communication network supporting virtual networks	US0155149	7/17/2009	4/10/2012
United-States	Service management in a network	US0174965	10/2/2009	5/8/2012
United-States	Method for protecting a pseudo-wire	US0130775	11/25/2009	3/6/2012
United-States	Method for processing data packets while communicating with a machine via one or more secondary networks	US0130765	5/23/2008	3/6/2012
United-States	Method and a device for maintaining an address translation table	US0522317	5/11/2010	8/27/2013
United-States	Method of routing a data packet in a network and an associated device	US0693369	9/28/2010	4/8/2014
United-States	Mechanism for updating parameters of a session set up through a virtual circuit	US0804749	10/21/2010	8/12/2014
United-States	Method of receiving a data packet coming from an IPv4 domain in an IPv6 domain, an associated device, and associated access equipment	US0451844	12/29/2010	5/29/2013
United-States	Method of receiving a data packet in an IPv6 domain, an associated device and an associated home gateway	US0451845	12/29/2010	5/29/2013
United-States	Method for protecting a pseudo-wire	US0724451	3/8/2011	5/13/2014
United-States	Technique for communication between a plurality of nodes	US0797894	1/13/2011	8/5/2014
United-States	Service continuity management in a network	US0225752	8/4/2009	12/29/2015
United-States	Management of routing topology in a network	US0811226	2/22/2011	8/19/2014
United-States	Virtual circuit configuration method	US0599680	6/28/2011	12/3/2013

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Technique for protecting a point-to-multipoint primary tree in a connected-mode communication network	US0191221	11/10/2010	11/17/2015
United States	Methods for sending and processing an S1-R response	US0804498	6/1/2012	8/12/2014
United States	Management of private virtual networks	US0923162	8/16/2012	12/30/2014
United States	Multipoint-to-point procedure	US083631	8/7/2012	7/14/2015
United States	Method and devices for managing a data flow transfer	US0160547	4/13/2011	10/13/2015
United States	Method and apparatuses for establishing a link between two devices	US0578551	12/18/2012	2/21/2017
United States	Methods and devices for routing data packets between IPv4 and IPv6 networks	US0919965	4/20/2012	4/28/2015
United States	Routing method reducing the consequences of misloops	US0985880	12/14/2015	5/29/2018
United States	Routing method reducing the consequences of misloops	US15966162	4/30/2018	

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	NEXUS DISPLAY TECHNOLOGIES LLC			
United States	SYSTEM AND METHOD FOR SENDING MULTIPLE DATA SIGNALS OVER A SERIAL LINK	5835498	1996-06-14	1998-11-10
United States	SYSTEM FOR HIGH SPEED SERIAL VIDEO SIGNAL TRANSMISSION USING DC-BALANCED CODING	5974464	1996-09-30	1999-10-26
United States	METHODS AND SYSTEMS FOR TMDS ENCRYPTION	6870930	2000-05-26	2005-03-22
United States	AUXILIARY DATA TRANSMITTED WITHIN A DISPLAY'S SERIALIZED DATA STREAM	7143328	2001-08-29	2006-11-28
United States	AUXILIARY DATA TRANSMITTED WITHIN A DISPLAY'S SERIALIZED DATA STREAM	7555693	2006-07-17	2009-06-30
United States	METHOD AND SYSTEM FOR TRANSMITTING N-BIT VIDEO DATA OVER A SERIAL LINK	7599439	2005-06-24	2009-10-06
United States	METHOD AND SYSTEM FOR TRANSMITTING OR RECEIVING N-BIT VIDEO DATA OVER A SERIAL LINK	8311126	2009-07-13	2012-11-13
United States	METHOD AND APPARATUS FOR SYNCHRONIZING AUXILIARY DATA AND VIDEO DATA TRANSMITTED OVER A TMDS-LIKE LINK	7295578	2001-09-12	2007-11-13

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	PARTHENON UNIFIED MEMORY ARCHITECTURES, LLC			
United States	METHOD AND APPARATUS FOR DISPLAYING VIDEO	7206344	2000-04-26	2007-04-17
United States	MICROPROCESSOR WITH EXTERNAL MEMORY INTERFACE OPTIMIZED BY AN EARLY DECODE SYSTEM	6393501	1999-05-12	2002-05-21

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	R2 SOLUTIONS, LLC			
United States	System and method for personalized information filtering and alert generation	US6381504B1	7/11/2000	4/30/2002
United States	Brilliant-query-system	US6554638B1	10/31/2000	4/8/2003
United States	Metadata-based datamining	US7464086B2	9/14/2001	12/9/2008
United States	Targeted-e-commerce-system	US7025418B2	12/15/2000	4/20/2010
United States	Technique for detecting duplicate records, referenced in an index of a database	US6745194B2	8/3/2001	6/1/2004
United States	Offline-online interactive points system and method	US7424617B2	12/31/2003	9/9/2008
United States	Systems and methods for identifying and extracting data from HTML pages	US6920609B1	8/24/2000	7/19/2005
United States	System and methods for implementing code translations that enable persistent-client-server communication via a proxy	US7058699B1	8/29/2000	6/6/2006
United States	Intelligent-voice-converter	US7327696B1	3/27/2003	2/5/2008
United States	Intelligent-voice-bridging	US6556563B1	9/11/2000	4/29/2003
United States	Message-store architecture	US6580786B1	9/11/2000	6/17/2003
United States	Voice-integrated-VQIP-system	US7760705B2	9/29/2004	7/20/2010
United States	Intelligent-voice-converter	US6567419B1	9/11/2000	5/20/2003
United States	Voice-integrated-VQIP-system	US7095733B1	9/11/2000	8/23/2006
United States	Web-page-connectivity-server	US6598051B1	9/19/2000	7/22/2003
United States	Web-page-connectivity-server construction	US6701317B1	9/19/2000	3/2/2004
United States	Web-page-connectivity-server construction	US7260583B2	12/16/2003	8/21/2007
United States	Method and apparatus for ranking Web-page-search-results	US6560600B1	10/25/2000	5/6/2003
United States	Method and apparatus for ranking web-page-search-results	US6871202B2	5/6/2003	3/22/2005
United States	Method for estimating coverage of web-search-engines	US7308445B2	1/21/2004	12/11/2007
United States	Online-playback-system-with-compatibility-bias	US7454509B2	7/10/2001	11/18/2008
United States	Multi-language-system-for-online-communications	US7670001B2	6/16/2008	1/11/2011
United States	Multi-language-system-for-online-communications	US7418390B1	11/20/2000	8/26/2008
United States	Approach for managing and providing content to users	US7243136B2	1/17/2001	7/10/2007

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-method-to-determine-the-validity-of-an-interaction-on-a-network	US7136860B2	4/19/2004	11/14/2006
United-States	System-and-method-to-determine-the-validity-of-an-interaction-on-a-network	US7447691B2	5/14/2005	11/14/2008
United-States	System-and-method-to-determine-the-validity-of-an-interaction-on-a-network	US0804173B2	1/17/2017	2/13/2018
United-States	System-and-method-to-determine-the-validity-of-an-interaction-on-a-network	US0600557B2	4/8/2013	3/24/2017
United-States	System-and-method-to-determine-the-validity-of-ani-nteraction-on-a-network	US7933903B2	1/22/2010	4/26/2011
United-States	System-and-method-to-determine-the-validity-of-an-interaction-on-a-network	US0423543B2	2/24/2011	4/16/2013
United-States	System-and-method-to-determine-the-validity-of-an-interaction-on-a-network	US7668861B2	9/20/2007	2/23/2010
United-States	High-performance-client-server-communication-system	US7325030B2	1/25/2001	1/29/2008
United-States	Distributed-active-knowledge-and-process-base-allowing-system-elements-to-be-shared-within-a-collaborative-framework	US7032006B2	1/26/2001	4/18/2006
United-States	Systems-and-methods-for-predicting-traffic-on-internet-sites	US7558865B2	10/14/2004	7/7/2009
United-States	Systems-and-methods-for-predicting-traffic-on-internet-sites	US6801945B2	1/31/2001	10/5/2004
United-States	System-and-method-for-managing-advertising-inventory-to-maximize-advertising-revenue	US7546249B2	2/6/2001	6/9/2009
United-States	System-and-method-for-detecting-and-verifying-digitalized-content-over-a-computer-network	US7853670B2	6/16/2008	12/14/2010
United-States	System-and-method-for-detecting-and-verifying-digitalized-content-over-a-computer-network	US7406529B2	2/9/2001	7/29/2008
United-States	Search-engine-for-selecting-targeted-messages	US6778975B1	3/5/2001	8/17/2004
United-States	Method-and-system-for-indexing-information-and-providing-results-for-a-search-including-objects-having-predicted-attributes	US4021022B2	3/12/2014	2/19/2019
United-States	Method-and-system-for-indexing-information-and-providing-results-for-a-search-including-objects-having-predicted-attributes	US6171010B2	10/19/2009	5/1/2012
United-States	Method-and-system-for-indexing-information-and-providing-results-for-a-search-including-objects-having-predicted-attributes	US0031942B2	3/29/2012	5/12/2015
United-States	Method-and-system-for-indexing-information-and-providing-results-for-a-search-including-objects-having-predicted-attributes	US7620620B1	3/8/2001	11/17/2009

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Global network of web based systems and method thereof	US7512666B2	4/18/2004	3/31/2009
United States	Relationship discovery engine	US10445809B2	12/6/2012	10/15/2019
United States	Relationship discovery engine	US8352331B2	4/30/2004	1/8/2013
United States	Content related wallpaper	US8271333B1	10/30/2001	9/18/2012
United States	System for controlling and enforcing playback restrictions for a media file-by-splitting the media file into usable and unusable portions for playback	US7024485B2	11/9/2002	4/4/2006
United States	System for controlling and enforcing playback restrictions for a media file-by-splitting the media file into usable and unusable portions for playback	US7315890B2	4/28/2005	1/14/2008
United States	File splitting, scalable coding, and synchronous transmission in streamed data transfer	US7975065B2	10/31/2007	7/5/2011
United States	Relationship discovery engine	US8005724B2	3/26/2003	8/23/2011
United States	Information retrieval engine	US7162482B1	6/11/2002	1/9/2007
United States	Information retrieval engine	US720852B2	6/22/2006	5/18/2010
United States	Determining a character string equivalent to a query string	US7251665B1	5/3/2001	7/31/2007
United States	Determining a known character string equivalent to a query string	US7546346B2	6/14/2007	6/9/2009
United States	Method and system for providing advertising inventory information in response to demandographic queries	US8060416B2	5/7/2001	11/15/2011
United States	Method and apparatus for accessing targeted, personalized voice/audio web content through wireless devices	US7206745B2	3/9/2004	4/17/2007
United States	Method and apparatus for accessing targeted, personalized voice/audio web content through wireless devices	US7287318B2	5/15/2001	4/27/2004
United States	Online media exchange	US7962363B2	11/22/2002	6/14/2011
United States	Load balancing system and method in a multiprocessor system	US7203747B2	5/25/2001	4/10/2007
United States	Centralized feed manager	US8135805B2	9/14/2010	3/13/2012
United States	Centralized feed manager	US7177931B2	5/31/2001	2/13/2007
United States	Centralized feed manager	US8292536B2	3/8/2012	3/5/2013
United States	Centralized feed manager	US7929268B2	11/6/2006	9/7/2010
United States	Efficient data transmissions based on a policy	US7136035B2	6/22/2001	11/14/2006
United States	Financial information portal	US7640210B2	2/12/2008	12/29/2009

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Financial information portal	US7370011B2	6/28/2001	5/6/2008
United States	Method and system for enabling a script on a first computer to communicate and exchange data with a script on a second computer over a network	US7051119B2	7/12/2001	5/23/2006
United States	Method and system for enabling a script on a first computer to exchange data with a script on a second computer over a network	US7076479B1	8/3/2001	7/11/2006
United States	Search engine account monitoring	US7043471B2	3/28/2002	5/9/2006
United States	Search engine account monitoring	US7483886B2	5/9/2006	1/27/2009
United States	Technique for license management and online software license enforcement	US7890430B2	1/6/2009	2/15/2011
United States	System and method of sending chunks of data over wireless devices	US7143181B2	8/24/2001	11/28/2006
United States	Reduction of meta data in a network	US6892206B2	8/24/2001	5/10/2005
United States	Data list transmission and input mapping	US6950994B2	8/24/2001	9/27/2005
United States	System and method for correlating user data from a content provider and user data from an advertising provider that is stored on a remote server system	US7257546B2	9/4/2001	8/14/2007
United States	Targeted advertisements using time dependent key search terms	US7007074B2	9/10/2001	2/28/2006
United States	System and method for enhancing crawling by extracting requests for webpages in an information flow	US7093012B2	9/13/2001	8/15/2006
United States	Cooperative management of distributed network caches	US7203754B2	3/2/2005	4/10/2007
United States	Cooperative management of distributed network caches	US7117262B2	10/30/2001	10/3/2006
United States	System and method allowing advertisers to manage search listings in a pay-for-placement search system using grouping	US7698315B2	5/8/2006	4/13/2010
United States	System and method allowing advertisers to manage search listings in a pay-for-placement search system using grouping	US6826572B2	11/13/2001	11/30/2004
United States	System and method allowing advertisers to manage search listings in a pay-for-placement search system using grouping	US7043483B2	6/8/2004	5/9/2006
United States	Retail coupon distribution apparatus and method	US7184972B2	12/14/2001	2/27/2007
United States	Providing instant messaging functionality in an instant messaging environment	US7359949B2	1/22/2002	4/15/2008
United States	Method for ranking web page search results	US7398461B1	1/24/2002	7/8/2008

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Header-based network API	US0296462B2	12/28/2010	10/23/2012
United States	Header-based network API	US7870293B2	2/15/2002	1/14/2011
United States	Content-based billing	US0331983B2	2/15/2002	5/3/2016
United States	Proxy-client-server communication system	US7103671B2	3/14/2002	9/5/2006
United States	Using network traffic logs for search enhancement	US7398271B1	4/16/2002	7/8/2008
United States	Using network traffic logs for search enhancement	US0203952B2	7/7/2008	6/19/2012
United States	Using network traffic logs for search enhancement	US7996397B2	7/7/2008	8/9/2011
United States	Using network traffic logs for search enhancement	US0509266B2	6/8/2012	8/13/2013
United States	Using network traffic logs for search enhancement	US0976019B2	4/19/2002	12/13/2005
United States	Phonetic self-improving search engine	US7716235B2	11/18/2005	5/14/2010
United States	Computer-aided search engine	US0392148B2	4/3/2012	3/5/2013
United States	Computer-aided search engine	US0620626B2	9/14/2012	12/31/2013
United States	Computer-aided search engine	US0659091B2	11/4/2013	5/23/2017
United States	Computer-aided search engine	US0460840B2	11/30/2010	4/17/2012
United States	Computer-aided search engine	US7853438B2	7/31/2008	12/14/2010
United States	Computer-aided search engine	US7421375B1	4/24/2002	9/2/2008
United States	Use of extensible markup language in a system and method for information search	US7054857B2	5/9/2002	5/30/2006
United States	Use of extensible markup language in a system and method for information search	US7698281B2	5/25/2006	4/13/2010
United States	Method and apparatus for categorizing and presenting documents of a distributed database	US0260786B2	2/17/2005	9/4/2012
United States	Method and apparatus for categorizing and presenting documents of a distributed database	US7231395B2	5/24/2002	6/12/2007

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for categorizing and presenting documents of a distributed database	US792818B2	4/28/2006	9/7/2010
United States	Method and apparatus for accelerating and improving access to network files	US7228347B1	6/18/2002	6/5/2007
United States	Method and apparatus for search ranking using human input and automated ranking	US7599941B2	8/5/2002	10/6/2009
United States	System and method for conducting an auction based ranking of search results on a computer network	US7555485B2	8/22/2002	6/30/2009
United States	System and method for conducting an auction based ranking of search results on a computer network	US7702672B2	5/28/2009	4/20/2010
United States	Automated processing of proprietaryness determination of content for search listings in wide-area network searches	US6983289B2	9/13/2002	1/3/2006
United States	Associating documents with classification and ranking documents based on classification weights	US9047379B2	4/1/2009	6/2/2015
United States	Associating documents with classification and ranking documents based on classification weights	US7028027B1	9/30/2002	4/11/2006
United States	Associating documents with classification and ranking documents based on classification weights	US7533149B2	1/18/2006	5/12/2009
United States	Information retrieval system and method employing spatially selective features	US7707140B2	10/9/2002	4/27/2010
United States	Systems and methods for selecting a date or range of dates	US7278141B2	12/26/2002	10/2/2007
United States	Query-string matching method and apparatus	US7734565B2	1/28/2003	6/8/2010
United States	Query-string matching method and apparatus	US6901143B2	4/22/2010	8/16/2011
United States	Method for embedding a component in a base	US7294529B2	9/23/2004	11/13/2007
United States	Method for embedding a component in a base	US6368201B2	7/18/2011	2/5/2013
United States	Method for embedding a component in a base and forming a contact	US6991966B2	9/23/2004	1/31/2006
United States	Method for embedding a component in a base	US7732909B2	5/4/2007	6/8/2010
United States	Suggesting an alternative to the spelling of a search query	US7440941B1	2/10/2003	10/21/2008
United States	Generating descriptions of matching resources based on the kind, quality, and relevance of available sources of information about the matching resources	US6745044B2	7/11/2008	6/3/2014

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Generating descriptions of matching resources based on the kind, quality, and relevance of available sources of information about the matching resources	US7406450B1	2/11/2003	7/29/2008
United States	Generating descriptions of matching resources based on the kind, quality, and relevance of available sources of information about the matching resources	US9280693B2	6/3/2014	3/8/2016
United States	System and method for mobile electronic messaging	US6813489B1	2/26/2003	11/2/2004
United States	Displaying paid search listings in proportion to advertiser spending	US6001103B2	7/31/2008	8/16/2011
United States	Displaying paid search listings in proportion to advertiser spending	US7454409B2	3/31/2003	11/18/2008
United States	Associating and linking compact disc metadata	US707221B1	4/2/2003	4/27/2010
United States	Associating and linking compact disc metadata	US7984062B2	6/8/2009	7/19/2011
United States	Affinity analysis method and article of manufactured article	US6873996B2	4/16/2003	3/29/2005
United States	Method and apparatus for machine learning a document relevance function	US7197497B2	4/25/2003	3/27/2007
United States	Systems and methods for relating events to a date or date range selection	US7496857B2	4/25/2003	2/24/2009
United States	Method and system for blending search engine results from disparate sources into one search result	US7219090B2	4/25/2003	5/15/2007
United States	Detection of improper search queries in a wide area network search engine	US9166044B2	5/2/2003	4/24/2012
United States	Method and system for controlling and monitoring a web-cast	US7849152B2	6/9/2003	12/7/2010
United States	System and method for providing a webpage	US7411122B2	6/25/2003	9/19/2006
United States	System and method for instant messaging using an e-mail protocol	US7406501B2	6/30/2003	7/29/2008
United States	Diagrambuation of search phrases using interpretation clusters	US7225184B2	7/18/2003	5/29/2007
United States	Apparatus, system and method for use in generating and maintaining an electronic address book	US7539699B2	7/21/2003	5/26/2009
United States	Centrally controllable instant messaging system	US7240214B2	8/8/2003	7/9/2007
United States	Selecting among advertisements competing for a slot associated with electronic content delivered over a network	US6380572B2	8/25/2003	2/19/2013
United States	Content delivery frequency mapping method	US7359952B2	8/25/2003	4/15/2008
United States	Slideout windows	US7325204B2	8/29/2003	1/29/2008

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Method and apparatus for providing desktop application functionality in a-client/server-architecture	US78909654B2	8/29/2003	2/15/2011
United-States	On-line-software-rental	US7523074B2	9/16/2003	4/11/2009
United-States	On-line-software-rental	US8583558B2	4/20/2009	11/12/2013
United-States	Visibly-distincting portions of compound words	US7747428B1	9/24/2003	6/29/2010
United-States	Visibly-distincting portions of compound words	US7464020B1	9/24/2003	12/9/2008
United-States	Learned-upload-time-estimate module	US7804064B2	10/9/2003	11/23/2010
United-States	Method and system for creating, serving and tracking advertisement elements	US8009999B2	10/28/2003	8/16/2011
United-States	Canonicalization-of terms-in-a-keyword-based presentation system	US7007014B2	11/7/2003	2/29/2006
United-States	Canonicalization-of terms-in-a-keyword-based presentation system	US7401074B2	11/17/2005	7/15/2008
United-States	Counting	US7441044B2	11/10/2003	10/21/2008
United-States	Systems and methods for search query processing using trend analysis	US7562076B2	5/30/2007	7/14/2009
United-States	Systems and methods for generating concept units from search queries	US7051023B2	11/12/2003	5/23/2006
United-States	Systems and methods for search query processing using trend analysis	US7240049B2	11/12/2003	7/3/2007
United-States	Method and apparatus for assisting with playback of remotely-stored media-files	US7590711B2	4/17/2007	9/15/2009
United-States	Method and apparatus for assisting with playback of remotely-stored media-files	US8775659B2	2/5/2010	7/9/2014
United-States	Method and apparatus for assisting with playback of remotely-stored media-files	US7673062B2	11/18/2003	3/2/2010
United-States	Method and apparatus for assisting with playback of remotely-stored media-files	US84590B2	1/31/2014	2/28/2017
United-States	Method and apparatus for performing a search	US7844589B2	12/1/2003	11/30/2010
United-States	Method and apparatus for performing a search	US8201963B2	11/9/2010	12/14/2015
United-States	Click-through-re-ranking of images and other data	US7634472B2	12/5/2003	12/15/2009
United-States	Communication among browser windows	US8528003B2	1/6/2004	9/3/2013
United-States	Listings optimization using a plurality of data sources	US7617203B2	1/6/2004	11/10/2009
United-States	Value-system-for-dynamic composition of pages	US7574651B2	1/15/2004	8/11/2009
United-States	Dynamic pari-mutuel market	US7881588B2	2/3/2004	8/31/2010
United-States	System and method for providing an improved graphical user interface for search	US7337185B2	2/20/2004	2/26/2008

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-method-for-providing-an-improved-graphical-user-interface-for-search	US7900289B2	9/24/2007	3/15/2011
United-States	Single-layer-component package	US6817485B2	10/21/2009	8/26/2014
United-States	Electronic module	US7609527B2	10/17/2007	10/27/2009
United-States	Method-for-manufacturing-an-electronic-module	US7299546B2	8/25/2005	11/27/2007
United-States	Electronic module	US10085345B2	8/25/2014	9/25/2018
United-States	Product-data-classification	US7672877B1	2/26/2004	3/2/2010
United-States	Associating-product-offerings-with-product-abstracts	US6868554B1	2/26/2004	10/21/2014
United-States	Scoring-mechanism-selection-along-multiple-dimensions	US7359898B1	2/26/2004	4/15/2008
United-States	Suggesting-an-alternative-to-the-spelling-of-a-search-query	US7672927B1	2/27/2004	3/2/2010
United-States	Keyword-recommendation-for-internet-search-engines	US6676830B2	3/4/2004	3/18/2014
United-States	Method-and-system-of-providing-browser-functionality-through-a-browser-button	US7506260B2	3/5/2004	3/17/2009
United-States	Method-and-system-of-providing-customizable-buttons	US7793227B2	3/5/2004	9/7/2010
United-States	Vector-analysis-of-histograms-for-units-of-a-concept-network-in-search-query-processing	US7340460B1	3/9/2004	3/4/2008
United-States	Systems-and-methods-for-search-processing-using-supervisors	US7346629B2	3/9/2004	3/18/2008
United-States	Predicting-inventory-availability-and-prioritizing-the-serving-of-competing-advertisements-based-on-context-value	US7895077B2	3/11/2004	2/22/2011
United-States	Method-and-system-for-finding-related-nodes-in-a-social-network	US7016307B2	3/11/2004	3/21/2006
United-States	Detecting-system-abuse	US7533414B1	3/17/2004	5/12/2009
United-States	Method-and-system-of-controlling-a-context-menu	US7721228B2	3/18/2004	5/18/2010
United-States	Compilation-of-page-authority-weights-using-personalized-bookmarks	US7343374B2	3/29/2004	3/11/2008
United-States	Delivering-items-based-on-links-to-resources-associated-with-search-results	US7359893B2	3/31/2004	4/15/2008
United-States	Electronic module-with-a-conductive-pattern-layer-and-a-method-of-manufacturing-same	US6034658B2	11/16/2009	10/11/2011
United-States	Method-for-manufacturing-an-electronic-module-and-an-electronic module	US9363898B2	2/17/2015	6/7/2016
United-States	Content-bridge-for-associating-host-content-and-guest-content-wherein-guest-content-is-determined-by-search	US7107264B2	3/31/2004	9/12/2006

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Electric module having a conductive pattern layer	US0222723B2	2/9/2010	7/17/2012
United States	Method for manufacturing an electronic module and an electronic module	US0704359B2	5/31/2011	4/22/2014
United States	Electronic module with a conductive pattern layer and a method of manufacturing same	US7663215B2	9/23/2005	2/16/2010
United States	Universal search interface systems and methods	US7698327B2	4/5/2004	4/13/2010
United States	Search system using search subdomains and hints to subdomains in search queries and processors and results on a subdomain by subdomain basis	US0262530B2	9/25/2014	2/16/2016
United States	Search system using search subdomains and hints to subdomains in search queries and processors and results on a subdomain by subdomain basis	US0271480B2	1/15/2009	9/18/2012
United States	Search system using search subdomains and hints to subdomains in search queries and processors and results on a subdomain by subdomain basis	US0849796B2	8/30/2012	9/30/2014
United States	Search system using search subdomains and hints to subdomains in search queries and processors and results on a subdomain by subdomain basis	US7490914B2	4/5/2004	3/3/2009
United States	Search system using search subdomains and hints to subdomains in search queries and processors and results on a subdomain by subdomain basis	US0323848B2	12/31/2014	4/26/2016
United States	Techniques for simulating display of backround page and an interactive content page in an application window	US7483891B2	4/21/2004	1/27/2009
United States	Method and system for customizing views of information associated with a social network user	US7269590B2	4/26/2004	9/11/2007
United States	Displaying aggregated content by selected other user based on their authorization level	US0166069B2	3/29/2006	4/24/2012
United States	Control for viewing an unauthorized user to gain access to display of content that is otherwise accessible with an authentication mechanism	US0584258B2	12/20/2005	11/12/2013
United States	Control for enabling a user to preview display of selected content based on another user's authorization level	US7599035B2	12/20/2005	10/6/2009

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-method-for-providing-automobile-marketing-research-information	US739142B2	5/17/2004	6/15/2010
United-States	Mapping-method-and-system	US6607092B2	5/15/2005	3/28/2017
United-States	Social-network-with-multiple-logins	US9978041B2	8/3/2011	5/22/2018
United-States	Social-network-with-field-level-control-of-data-exposure	US9953302B2	8/3/2011	4/24/2018
United-States	Query-based-search-engine	US7814096B1	6/8/2004	10/12/2010
United-States	Method-and-system-for-generating-online-social-network-contacts	US7985991B2	6/8/2004	2/9/2011
United-States	Social-network-for-receiving-data-sharing	US9978042B2	8/3/2011	5/22/2018
United-States	Social-network-for-providing-recommendations-for-items-of-interest	US10049345B2	8/3/2011	8/14/2018
United-States	Computerized-method-and-system-for-establishing-a-network-connection-based-on-a-contact-list-automatically-derived-from-network-behavioral-analysis-of-a-user	US10062054B2	2/7/2011	8/28/2018
United-States	Method-and-system-for-sharing-potential-subscriber-information-in-an-online-social-network	US6612359B2	6/14/2004	12/17/2013
United-States	Method-and-system-for-selecting-electronic-advertising	US6527346B2	6/28/2004	9/3/2013
United-States	Methods-for-attribute-comparisons-for-online-advertisements-campaigns	US6108254B2	6/29/2004	1/31/2012
United-States	Database-search-system-and-method-of-determining-a-value-of-a-keyword-in-a-search	US716219B2	7/8/2004	5/11/2010
United-States	System-and-method-for-managing-a-trusted-email-database	US7155738B2	7/8/2004	12/26/2006
United-States	Method-and-system-for-managing-for-size-and-different-platforms	US7640498B2	7/9/2004	12/29/2009
United-States	System-and-methods-for-adaptive-scheduling-of-referrals-to-doctors	US6706722B2	5/31/2012	4/22/2014
United-States	System-and-methods-for-adaptive-scheduling-of-referrals-to-doctors	US7539674B2	7/22/2004	5/16/2009
United-States	System-and-methods-for-adaptive-scheduling-of-referrals-to-doctors	US6214358B2	7/9/2008	7/3/2012
United-States	User-interfaces-for-search-systems-using-in-line-contextual-queries	US6812540B2	9/28/2012	8/19/2014
United-States	Systems-and-methods-for-contextual-treansaction-proposals	US7451152B2	5/12/2005	11/11/2008
United-States	Search-systems-and-methods-using-in-line-contextual-queries	US7958115B2	7/29/2004	6/7/2011
United-States	User-interfaces-for-search-systems-using-in-line-contextual-queries	US6108385B2	9/3/2009	1/31/2012
United-States	User-interfaces-for-search-systems-using-in-line-contextual-queries	US7603349B1	1/10/2005	10/13/2009

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	User interfaces for search systems using in-line contextual queries	US0301614B2	1/7/2012	10/30/2012
United States	Document modification by a client-side application	US0972856B2	9/26/2008	3/3/2015
United States	User interfaces for search systems using in-line contextual queries	US0342602B2	7/9/2014	5/17/2016
United States	Search systems and methods using in-line contextual queries	US0655872B2	10/15/2008	2/18/2014
United States	Systems and methods for updating query results based on query deltas	US720845B2	8/13/2004	5/18/2010
United States	Automatic product categorization	US787003B1	8/17/2004	1/11/2011
United States	Backup and restore mirror database memory items in the historical record backup associated with the client application in a mobile device connected to a communication network	US7584225B2	9/2/2004	9/1/2009
United States	Splice filter for financial data represented as discrete valued time series	US7685041B1	9/8/2004	3/23/2010
United States	Method for manufacturing an electronic module in an installation base	US7696005B2	9/15/2004	4/13/2010
United States	Method for manufacturing an electronic module	US0232658B2	4/2/2010	1/5/2016
United States	System and method of information filtering using measures of affinity of a relationship	US707122B2	9/21/2004	4/27/2010
United States	Electronic module with feed through conductor between wiring patterns	US045594B2	7/23/2010	6/4/2013
United States	Method for embedding a component in a base	US7989944B2	7/25/2007	8/2/2011
United States	Method and apparatus for efficient training of support vector machines	US7440944B2	9/24/2004	10/21/2008
United States	Method for providing a clip for viewing at a remote device	US0112548B2	9/28/2004	2/7/2012
United States	Navigation pattern on a directory tree	US7343568B2	10/5/2004	3/11/2008
United States	Techniques for selectively performing searches against data and providing search results	US774763B1	10/13/2004	6/20/2010
United States	Systems and methods for a search-based email client	US10182025B2	6/21/2016	1/15/2019
United States	Systems and methods for indexing content for fast and scalable retrieval	US7849063B2	10/15/2004	12/7/2010
United States	Systems and methods for indexing content for fast and scalable retrieval	US7620624B2	10/15/2004	11/17/2009
United States	Systems and methods for a search-based email client	US0438540B2	4/1/2013	9/6/2016
United States	System and method for a subscription model for user email database for use in anti-spam	US7181764B2	10/28/2004	2/20/2007
United States	Method and system of providing dynamic dialogs	US7412655B2	11/2/2004	8/12/2008
United States	Customized geographical location indexing	US0051087B2	9/30/2008	11/1/2011
United States	Optimal storage and retrieval of XML data	US7403940B2	11/16/2004	7/22/2008

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Systems and Methods for Providing Notification And Feedback Based On Electronic Payment Transactions	US10991539	11/17/2004	
United-States	Automatic generation of taxonomies for categorizing queries and search query processing using taxonomies	US7428533B2	12/16/2004	9/23/2008
United-States	Search processing with automatic categorization of queries	US7620628B2	12/16/2004	11/17/2009
United-States	System and methods for ranking the relative value of terms in a multi-term search query using deletion prediction	US7406465B2	12/14/2004	7/29/2008
United-States	Bitmaps access for managing blog content	US7689575B2	12/29/2004	3/30/2010
United-States	Search systems and methods using enhanced contextual queries	US7856441B1	1/10/2005	12/21/2010
United-States	Reputation based search	US7406466B2	1/14/2005	7/29/2008
United-States	System and method for improving online search engine results	US7599966B2	1/28/2005	10/6/2009
United-States	Method and apparatus for providing real-time notification for avatars	US7965566B2	1/31/2005	1/4/2011
United-States	Method and apparatus for providing flash based avatars	US7707520B2	1/31/2005	4/27/2010
United-States	Predictive communication routing scheme using instant messaging preferences and/or settings for routing packet traffic for voice, video and other multimedia communications	US8223747B2	2/10/2005	7/17/2012
United-States	Integrated instant messaging and telephone services billing system	US7634072B2	2/10/2005	12/15/2009
United-States	Scenarios interfacing for instant messaging and internet telephony across wireless networks	US7260082B2	2/10/2005	8/21/2007
United-States	System and method for proximity area networking for selection of messaging	US8265654B2	7/20/2011	9/11/2012
United-States	System and method for proximity area networking for mobile gaming	US8989727B2	9/5/2012	3/24/2015
United-States	System and method for wireless communication between previously known and unknown users	US8023920B2	2/27/2009	9/20/2011
United-States	System and method for profile filtered messaging	US8240566B2	7/20/2011	8/21/2012
United-States	System and method for portable profiles	US8478247B2	7/20/2011	7/2/2013
United-States	System and method for profile filtered advertisements	US8478254B2	8/20/2012	7/2/2013
United-States	System and method for wireless communication between previously known and unknown users	US7545784B2	2/10/2005	6/9/2009
United-States	World modeling using a relationship network with communication channels/entities	US7747648B1	2/14/2005	6/29/2010

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Techniques for crawling dynamic web content	US7536389B1	2/22/2005	5/19/2009
United States	Techniques for crawling dynamic web content	US8024384B2	4/13/2009	9/20/2011
United States	Database replication across different database platforms	US7702698B1	3/4/2005	4/20/2010
United States	Ranking and increasing the relevance of the results of internet searches	US7574436B2	3/10/2005	8/11/2009
United States	System for modifying queries before presentation to a sponsored search generator or other matching system where modifications improve coverage without a corresponding reduction in relevance	US7668808B2	3/10/2005	2/23/2010
United States	Tester for determining the validity of a feature in a remote device	US7630708B2	3/11/2005	12/8/2009
United States	Systems and methods for collecting user annotations	US7599950B2	3/15/2005	10/6/2009
United States	Inverse-search systems and methods	US8150825B2	3/15/2005	4/3/2012
United States	Inverse-search systems and methods	US8396853B2	3/14/2012	3/12/2013
United States	Inverse-search systems and methods	US8612417B2	3/4/2013	12/17/2013
United States	Search system and methods with integration of user annotations from a trust network	US8788492B2	3/15/2005	7/22/2014
United States	Inverse-search systems and methods	US8886627B2	12/11/2013	11/11/2014
United States	Search systems and methods with integration of user annotations	US8005850B2	3/15/2005	8/23/2011
United States	Integration of personalized portals with web content syndication	US8020106B2	3/15/2005	9/13/2011
United States	Search systems and methods with integration of aggregate user annotations	US8005835B2	3/15/2005	8/23/2011
United States	Search systems and methods with integration of user annotations	US9489463B2	5/10/2011	11/8/2016
United States	Search system and methods with integration of user annotations from a trust network	US9852187B2	5/30/2014	12/26/2017
United States	Search systems and methods with integration of aggregate user annotations	US9984164B2	7/28/2011	5/29/2018
United States	Customizable filters for personalized search	US8412698B1	4/7/2005	4/2/2013
United States	Closed-loop feedback control system for online services	US7908249B1	4/13/2005	3/15/2011
United States	Heat-conduction from an embedded component	US8076586B2	2/9/2007	12/13/2011
United States	Electronics module comprising an embedded microdevice	US8351214B2	5/4/2010	1/8/2013
United States	System and method for providing temporary search results in response to a search query	US7577651B2	4/28/2005	8/18/2009

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for performing a search	US7519581B2	5/21/2005	4/14/2009
United States	System and methods for identifying the potential advertising value of terms found on web pages	US7685197B2	5/5/2005	3/23/2010
United States	Proxy-server-for-relaying-VOIP-messages	US7313134B2	5/12/2005	12/25/2007
United States	Selecting a network based on metrics for real-time communication	US7313133B2	5/12/2005	12/25/2007
United States	Dynamically selecting CODECS for managing an audio message	US7821953B2	5/13/2005	10/26/2010
United States	Relay-server-for-SIP/RTP-messages-with-buffer-management	US7751316B2	5/13/2005	7/6/2010
United States	Intergrating access to audio messages and instant messaging with VOIP	US8107495B2	5/13/2005	1/31/2012
United States	Content-management-system-for-user-behavior-targeting	US8180769B2	6/2/2005	5/15/2012
United States	Statistical approach to automatic gain control for managing audio messages over a network	US778407B2	5/16/2005	8/17/2010
United States	Apparatus and method for normalizing user-selected keywords in a folksonomy	US7685209B1	6/8/2005	3/23/2010
United States	Active-Abstraces	US7606794B2	6/28/2005	10/20/2009
United States	Method for manufacturing an electronic module comprising a component electrically connected to a conductor pattern layer	US8240032B2	6/13/2005	8/14/2012
United States	Communication platform and method for packet communication between a service provider and a radio communication device	US8477664B2	9/13/2010	7/2/2013
United States	Communication platform and method for packet communication between a service provider and a radio communication device	US8009610B2	6/15/2005	8/30/2011
United States	Method and a communication platform for packet communication between a service provider in a first network and a radio communication device in a second network	US7848233B2	6/15/2005	12/7/2010
United States	Systems and methods for determining a relevance rank for a point-of-interest	US7826965B2	6/16/2005	11/2/2010
United States	Access control systems and methods using visibility tokens with automatic propagation	US7594259B2	6/27/2005	9/23/2009
United States	Content router asynchronizes exchange	US7631045B2	7/14/2005	12/8/2009
United States	System and method for securing a user device	US788352B2	7/14/2005	8/31/2010
United States	Alert mechanism for notifying multiple user devices of an incoming a connected data-set	US8112549B2	7/14/2005	2/7/2012
United States	Content router notification	US7623515B2	7/14/2005	11/24/2009

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	User-centric firmware and controller elements to search system	US0364658B2	11/17/2008	11/20/2013
United-States	Universal calendar event handling	US0417828B2	7/14/2005	4/9/2013
United-States	Automatically generating a search result in a separate window for a displayed symbol that is selected with a drag and drop control	US7827503B2	7/27/2005	11/2/2010
United-States	Reorder bookmark identification and extraction through pointer mapping	US7606816B2	7/28/2005	10/20/2009
United-States	Establishing communication between a messaging client and a remote device through a browsing application	US7506829B2	8/3/2005	3/17/2009
United-States	Link-based spam detection	US7533092B2	8/4/2005	5/12/2009
United-States	Manufacture of a layer including a component	US7673387B2	8/4/2005	3/9/2010
United-States	Circuit board including an embedded component	US0487194B2	2/9/2010	7/16/2013
United-States	Alternative search query processing in a term bidding system	US7752220B2	8/10/2005	7/6/2010
United-States	System and method for determining alternate search queries	US7634462B2	8/10/2005	12/15/2009
United-States	Unsupervised, automated web host dynamicaly detection; dead link detection and prerequisite page discovery for search indexed web pages	US7610267B2	8/13/2005	10/27/2009
United-States	Search specification of pages flows	US7584267B2	8/22/2005	9/1/2009
United-States	Employing parallel evaluation to provide a page	US0046678B2	8/22/2005	10/25/2011
United-States	Customization of an online shopping experience	US7756752B2	8/22/2005	7/13/2010
United-States	Extraction and matching of characteristic fingerprints from audio signals	US7516074B2	9/1/2005	4/7/2009
United-States	Extraction and matching of characteristic fingerprints from audio signals	US0396705B2	2/24/2009	3/12/2013
United-States	Extraction and matching of characteristic fingerprints from audio signals	US0208790B2	3/11/2013	12/8/2015
United-States	System and method for presenting information based on publisher-selected labels	US8478792B2	7/2/2008	7/1/2013
United-States	System and method for selecting advertising in a social bookmarking system	US0768772B2	11/14/2005	7/1/2014
United-States	System and method for bookmarking and auto tagging a content item based on file type	US0224788B2	1/15/2009	7/17/2012
United-States	System and method for presenting information based on publisher-selected labels	US7421441B1	9/20/2005	9/2/2008
United-States	System and method for presenting advertising content based on publisher-selected labels	US7409402B1	9/20/2005	8/5/2008
United-States	System and method for presenting advertising content based on publisher-selected labels	US0069099B2	6/26/2008	11/29/2011

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Tagging offline content with content sensitive search enabling keywords	US6819051B2	9/29/2005	8/26/2014
United States	Shortcut for establishing a communication channel with a remote device over a network	US7702341B2	10/3/2005	4/20/2010
United States	Customizable ordering of search results and predictive query generation	US7021109B2	10/5/2005	4/5/2011
United States	Media device and user interface for selecting media	US6928279B2	12/31/2003	3/27/2018
United States	Media device and user interface for selecting media	US6665629B2	10/14/2005	5/30/2017
United States	Search score for the determination of search quality	US6095419B1	10/17/2005	1/10/2012
United States	Unsupervised learning tool for feature correction	US7483903B2	10/17/2005	1/27/2009
United States	Interactive map based travel guide	US6825370B2	10/28/2005	9/2/2014
United States	Scalable software blade architecture	US7873696B2	10/28/2005	1/18/2011
United States	Recovering a blade in scalable software blade architecture	US7791578B2	10/28/2005	8/17/2010
United States	Low code footprint security solution	US7259278B2	10/29/2005	5/25/2010
United States	Sharing data in scalable software blade architecture	US7870288B2	10/28/2005	1/11/2011
United States	System and method for labeling a document	US7680760B2	10/28/2005	3/16/2010
United States	Systems and methods for assigning monocular values to search terms	US6915065B2	10/28/2005	9/6/2011
United States	Methods for navigating collections of information in varying levels of detail	US7693912B2	10/31/2005	4/6/2010
United States	Method and system for displaying contentual rotating advertisements	US6595633B2	10/31/2005	11/26/2013
United States	Indication of exclusive items in a result set	US7747612B2	10/31/2005	6/29/2010
United States	Reservation of differences between multiple searches	US7747613B2	10/31/2005	6/29/2010
United States	Clickable map interface	US6909586B2	1/12/2006	4/15/2014
United States	Difference control for generating and displaying a difference result set from the result sets of a plurality of search engines	US7747614B2	10/31/2005	6/29/2010
United States	System and method for recording a result set display notice	US7809731B2	10/31/2005	10/5/2010
United States	Systems and methods for improving access to synchronization feeds in network browsing applications	US6582602B2	10/31/2005	2/28/2017
United States	Systems and methods for managing transactions in network browsing applications	US7958446B2	10/31/2005	6/7/2011
United States	System for selecting ad inventory with a clickable map interface	US6882713B2	7/17/2008	3/25/2014

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Identification and automatic propagation of geo-location associations to un-located documents	US792870B2	11/09/2005	07/2010
United States	Data gateway for jobs management based on a persistent job table and a server table	US6065680B2	11/15/2005	11/22/2011
United States	Remote selection and installation of auxiliary content	US7636766B2	11/15/2005	12/23/2009
United States	System and method for generating functions to predict the clickability of advertisements	US7631008B2	6/29/2006	12/8/2009
United States	System and method for displaying of historical click-through data for multiple versions of an advertisement	US7840438B2	11/16/2005	11/23/2010
United States	System and method for revenue based advertisement placement	US7739708B2	11/16/2005	6/15/2010
United States	Matching pursuit approach to sparse Gaussian process regression	US7496654B2	11/18/2005	2/24/2009
United States	Multi-modal auto-complete function for a connection	US7583671B2	11/23/2005	9/14/2009
United States	Method for manufacturing an electronics module	US6062537B2	11/23/2005	11/22/2011
United States	Electronics module and method for manufacturing the same	US6547701B2	11/24/2005	10/14/2013
United States	URL shortening and authentication with reverse hash lookup	US7698260B2	11/29/2005	4/13/2010
United States	Method and mechanism for processing image data	US7627166B2	11/30/2005	12/14/2009
United States	Systems and methods for managing and using multiple concept networks for assisted search processing	US7707201B2	12/5/2005	4/27/2010
United States	Selectable replay of buffered conversation in a VoIP session	US7869579B2	12/9/2005	11/11/2011
United States	System for geographically contextualizing data items	US7853270B2	8/20/2009	12/14/2010
United States	System and method for populating a geo-coding database	US7606658B2	12/13/2005	10/20/2009
United States	System for providing location predictive advertisements	US7848764B2	9/9/2009	12/7/2010
United States	System and method for providing geo-relevant information based on a location	US76066581B2	12/13/2005	10/20/2009
United States	System for classifying words	US7729901B2	12/13/2005	6/14/2010
United States	System and method for creating minimum bounding rectangles for use in a geo-coding system	US6050689B2	12/13/2005	11/14/2011
United States	System and method for providing geo-relevant information based on a mobile device	US761616964B2	12/13/2005	11/10/2009
United States	System for determining probable meanings of inputted words	US7681147B2	12/13/2005	3/16/2010
United States	Method and mechanism for analyzing the texture of a digital image	US7583830B2	12/22/2005	9/14/2009

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and mechanism for retrieving images	US7831141B2	12/22/2005	11/09/2010
United States	System and method for optimizing advertisement campaigns using a limited budget	US7949562B2	12/28/2005	5/24/2011
United States	System and method for optimizing advertisement campaigns using a limited budget	US8700462B2	11/30/2006	4/15/2014
United States	System and method for optimizing the delivery of advertisements	US7685019B2	12/28/2005	3/23/2010
United States	System and method for collection of advertisements using information	US7949563B2	7/26/2006	5/24/2011
United States	System and method for advertisement management	US9558498B2	12/30/2005	1/31/2017
United States	System and method for advertisement management	US9159073B2	6/24/2008	10/13/2015
United States	System and method for providing scalability in an advertising delivery system	US9836752B2	8/17/2006	12/5/2017
United States	System and method for the propagation of DNN-protected content	US7770222B2	12/30/2005	8/3/2010
United States	System and method for navigation and indexing content	US7680804B2	6/22/2006	3/16/2010
United States	Architecture for distribution of advertising content and change propagation	US9934510B2	7/19/2006	4/3/2018
United States	System and method for optimizing the selection and delivery of advertisements	US9533040B2	4/9/2007	9/10/2013
United States	Apparatus and method for controlling content access based on shared annotations for annotated users in a folksonomy scheme	US7761436B2	1/3/2006	7/20/2010
United States	Targeted sidebar advertising	US10175862B2	12/12/2013	1/8/2019
United States	Targeted sidebar advertising	US8621372B2	1/5/2006	12/31/2013
United States	Community information updates in a sidebar	US8732585B2	5/15/2006	5/20/2014
United States	Sidebar email	US9037996B2	1/23/2006	5/19/2015
United States	Matching and ranking of sponsored search listings incorporating web search technology and web content	US7698331B2	1/18/2006	4/13/2010
United States	Systems and methods for collaborative tag suggestions	US7685198B2	1/25/2006	3/23/2010
United States	Learning retrieval functions incorporating query differentiation for information retrieval	US8250064B2	1/30/2006	8/21/2012
United States	Learning retrieval functions incorporating query differentiation for information retrieval	US8589374B2	6/29/2012	11/19/2013
United States	Method for node classification and scoring by combining parallel iterative scoring calculation	US7584183B2	2/1/2006	9/11/2009

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Using-exceptional-changes-in-webbrowser-architecture-over-time-for-internet-activity-marketing	US6420177B2	2/6/2006	4/23/2013
United-States	Query-serving-infrastructure-providing-flexible-and-expandable-support-and-compliling-instructions	US7827523B2	2/23/2006	11/12/2010
United-States	Method-and-system-for-communicating-with-multiple-users-via-a-map-over-the-internet	US6139514B2	2/24/2006	3/20/2012
United-States	User-defined-private-maps	US7450033B2	2/24/2006	11/11/2008
United-States	Method-and-system-for-communicating-with-multiple-user-communities-via-a-map	US6014076B2	3/7/2012	4/21/2015
United-States	System-and-method-for-identifying-related-queries-for-language-with-multiple-writing-systems	US7689554B2	2/29/2006	3/30/2010
United-States	Providing-a-limited-use-media-to-subscribed-users	US6270689B2	6/9/2006	2/23/2016
United-States	Vertical-search-expansion-disambiguation-and-optimization-of-search-queries	US6832097B2	3/6/2006	9/9/2014
United-States	Vertical-search-expansion-disambiguation-and-optimization-of-search-queries	US7805441B2	3/6/2006	9/28/2010
United-States	Keyword-based-audio-comparison	US6108452B2	3/7/2006	1/31/2012
United-States	Discontinuous-attribute-spelling-threshold-security	US7814097B2	3/7/2006	10/12/2010
United-States	Activating-subtomative-search-session	US6370439B2	3/9/2006	2/5/2013
United-States	Method-and-system-of-massive-data-availability	US7251578B1	3/10/2006	7/31/2007
United-States	System-and-method-for-recovering-lost-queries-and-reclamation-in-a-network-file-system-environment	US7904435B2	3/10/2006	3/8/2011
United-States	System-and-method-for-substantiated-recovery-of-a-batch-processing-system-enabled-by-multiple-or-unsubscribed-data	US7464293B2	3/10/2006	12/9/2008
United-States	Asigning-into-one-set-of-categories-information-that-has-been-assigned-to-other-sets-of-categories	US7885859B2	3/10/2006	2/8/2011
United-States	System-and-method-for-browsing-search-results-based-on-topic-familiarity	US6095487B2	3/16/2006	1/10/2012
United-States	System-and-method-for-reverse-neighbor-clustering-of-text	US7747083B2	3/27/2006	6/29/2010
United-States	Creating-and-viewing-private-events-in-an-event-repository	US7676449B2	3/28/2006	3/9/2010
United-States	Providing-event-information-to-third-party-event-applications	US7688388B2	3/28/2006	2/23/2010
United-States	Behavioral-targeting-system	US6504575B2	3/29/2006	8/6/2013
United-States	Behavioral-targeting-system	US10007927B2	2/29/2016	6/26/2018

jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Incremental-updates-of-long-term-and-short-term-user-profile-sectors-in-a-behavioral-targeting-system	US7904440B2	3/29/2006	3/9/2011
United-States	Smart-drag-and-drop	US6703605B2	3/29/2006	7/29/2014
United-States	Behavioral-targeting-system	US9286560B2	7/29/2013	3/4/2016
United-States	Automated-escape/avoidance-of-network-events	US7814100B2	3/29/2006	10/12/2010
United-States	Model-for-generating-user-profiles-in-a-behavioral-targeting-system	US7809740B2	3/29/2006	10/5/2010
United-States	Behavioral-targeting-system-that-generates-user-profiles-for-target objectives	US9105040B2	4/15/2013	8/14/2015
United-States	Behavioral-targeting-system-that-generates-user-profiles-for-target objectives	US8438170B2	3/29/2006	5/7/2013
United-States	Behavioral-targeting-system-that-generates-user-profiles-for-target objectives	US9817868B2	7/17/2015	11/14/2017
United-States	Large-scale-semi-supervised linear-support-vector-machines	US7562060B2	3/31/2006	7/14/2009
United-States	System-and-method-for-interacting-with-data-using-visual-surrogates	US7747686B2	3/31/2006	6/29/2010
United-States	Content display and navigation interface	US8955444B2	4/4/2006	11/8/2011
United-States	System-and-method-for-pipelet-processing-of-data-sets	US8151282B2	4/17/2006	4/3/2012
United-States	Automated-reward-management-for-network-based-contents	US8224696B2	4/17/2006	7/17/2012
United-States	Determining-related-term-based-on-link-relationships-of-documents-being-linked-to-search-results	US7711732B2	4/21/2006	5/4/2010
United-States	Method-and-system-for-entering-search-queries	US8892106B2	4/21/2006	2/13/2018
United-States	File-caching	US8538921B2	4/24/2006	9/17/2013
United-States	Identifying-excepted-web-documents	US8583778B1	4/26/2006	11/12/2013
United-States	Contextual-mobile-local-search-based-on-social-network-visibility information	US8095906B2	5/8/2008	8/23/2011
United-States	Contextual-mobile-local-search-based-on-social-network-visibility information	US7636779B2	4/28/2006	12/22/2009
United-States	Advertiser-reporting-system-and-method-in-a-networked-database-search system	US8321275B2	4/28/2006	11/12/2012
United-States	Advertiser-alerting-system-and-method-in-a-networked-database-search system	US8321274B2	4/28/2006	11/12/2012
United-States	System-and-method-for-indexing-web-content-using-click-through features	US7647314B2	4/29/2006	1/12/2010

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Social-networking-for-mobile-devices	US0843551B2	6/16/2008	9/23/2014
United-States	Social-networking-for-mobile-devices	US0843560B2	4/28/2006	9/23/2014
United-States	System-and-method-using-hierarchical-clustering-for-evolutionary clustering-of-sequenceial-dna-sets	US7734620B2	4/29/2006	6/8/2010
United-States	System-and-method-for-evolutionary-clustering-of-sequenceial-dna-sets	US0930365B2	4/29/2006	1/6/2015
United-States	Building-support-vector-machines-with-reduced-complexity	US7630945B2	5/10/2006	12/8/2009
United-States	Method-and-system-for-presenting-photos-on-a-website	US0510660B2	5/10/2006	8/13/2013
United-States	System-and-method-for-determining-semantically-related-terms	US7548929B2	5/11/2006	6/16/2009
United-States	Enabling-rent/buy-redirection-in-invitation-to-an-online-service	US7587502B2	5/12/2006	9/8/2009
United-States	Enabling-rent/buy-redirection-in-invitation-to-an-online-service	US0108515B2	9/19/2008	1/31/2012
United-States	System-and-method-for-bookmarking-and-tagging-a-content-item	US0589782B2	12/6/2010	11/19/2013
United-States	System-and-method-for-bookmarking-and-tagging-a-content-item	US7870475B2	5/16/2006	1/11/2011
United-States	System-and-method-for-selecting-object-metadata-evolving-over-time	US7739275B2	5/19/2006	6/15/2010
United-States	System-and-method-for-visualizing-the-temporal-evolution-of-object metadata	US7581184B2	5/19/2006	8/25/2009
United-States	User-interface-for-navigating-a-keyword-space	US0359295B2	10/27/2011	1/22/2013
United-States	User-interface-for-navigating-a-keyword-space	US7797287B2	5/30/2006	9/14/2010
United-States	User-interface-for-navigating-a-keyword-space	US0556348B2	8/23/2010	11/8/2011
United-States	Keyword-set-and-tagset-analysis-profile-generation-techniques	US7822745B2	5/31/2006	10/26/2010
United-States	Predicting-results-for-input-data-based-on-a-model-generated-from clusters	US0386232B2	6/14/2006	2/26/2013
United-States	Providing-an-actionable-event-in-an-intercepted-text-message-for-a mobile-device-based-on-estimated-user-information	US0170584B2	6/6/2006	5/1/2012
United-States	Method-for-manufacturing-a-circuit-board-structure	US0581109B2	6/15/2006	11/12/2013
United-States	Method-for-manufacturing-a-circuit-board	US0240033B2	6/15/2006	8/14/2012
United-States	Method-for-manufacturing-a-circuit-board-structure	US06223354B2	11/11/2013	4/11/2017
United-States	Search-carry-warning	US7945563B2	6/16/2006	5/17/2011
United-States	Method-for-manufacturing-a-circuit-board-structure,-and-a-circuit-board structure	US0225499B2	6/16/2006	7/24/2012
United-States	User-sensitive-PageRank	US0495452B2	10/9/2009	11/15/2016

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	User-sensitive password	US7624104B2	6/22/2006	11/24/2009
United States	Dynamic blocker for caching query results	US7548908B2	6/26/2006	6/16/2009
United States	Search engine with augmented relevance ranking by community participation	US69521734B2	7/28/2011	8/27/2013
United States	Using community annotations to enhance text	US7647306B2	8/2/2006	1/12/2010
United States	Trust propagation through both explicit and implicit social networks	US9576029B2	4/9/2013	2/21/2017
United States	Relevance indexing and search in large, rapidly changing document collections	US7634466B2	8/21/2006	12/15/2009
United States	Search engine with augmented relevance ranking by community participation	US8086605B2	6/28/2006	12/27/2011
United States	Trust propagation through both explicit and implicit social networks	US8442978B2	8/21/2006	5/14/2013
United States	Aggregation-specific encoding indexes for facet-set queries	US7567945B2	6/29/2006	7/28/2009
United States	Techniques for clustering structurally similar web page features	US7676465B2	7/5/2006	3/9/2010
United States	Techniques for clustering structurally similar web pages	US7680858B2	7/5/2006	3/16/2010
United States	Automotive relevance and variety checking for web and vertical search engines	US7558787B2	7/5/2006	7/7/2009
United States	Techniques for indexing high quality structural templates for electronic documents	US8046681B2	11/27/2007	10/25/2011
United States	System and method for budgeted generalization search in hierarchies	US7991769B2	7/7/2006	8/2/2011
United States	Query-estimator	US7664744B2	7/26/2007	2/16/2010
United States	Search equalizer	US8301616B2	7/14/2006	10/30/2012
United States	Search equalizer	US8868539B2	9/27/2012	10/21/2014
United States	Authentication seal for online applications	US8010996B2	1/25/2007	8/30/2011
United States	Action tags	US8132151B2	7/18/2006	3/6/2012
United States	Multi-tiered storage	US7596587B2	7/19/2006	9/29/2009
United States	Providing a reliable trust indicator for content	US8595370B2	9/24/2012	11/26/2013
United States	Technique for providing a reliable trust indicator to a webpage	US8301172B2	7/21/2006	10/30/2012
United States	Authenticating a site while protecting against security holes by handling common web server configurations	US7974956B2	7/21/2006	7/5/2011
United States	Aggregating views of website information	US8112703B2	7/21/2006	2/7/2012

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Time-slicing web-based advertisements	US7945660B2	7/26/2006	5/17/2011
United-States	Business intelligent architecture system and method	US6158831B2	6/30/2009	10/13/2015
United-States	Business intelligent architecture system and method	US7580944B2	7/27/2006	8/25/2009
United-States	System and method for web destination profiling	US6676961B2	7/27/2006	3/18/2014
United-States	System and method for searching a bookmark and tag database for relevant bookmarks	US6367637B2	8/20/2012	6/14/2016
United-States	System and method for searching a bookmark and tag database for relevant bookmarks	US6271486B2	7/29/2006	9/18/2012
United-States	System and method of identifying and measuring response to user interface design	US7827004B2	7/31/2006	11/2/2010
United-States	System and method of identifying and measuring response to user interface design	US6719715B2	7/7/2010	5/6/2014
United-States	Automatic identification of distance-based event classification errors in a network by comparing to a second classification using event logs	US7693805B2	8/1/2006	4/6/2010
United-States	Providing an interface to browse links or redirects to a particular webpage	US6554869B2	8/2/2006	10/8/2013
United-States	Electronic document information extraction	US6954764B2	8/3/2006	11/7/2017
United-States	System and method for dynamically ranking items of audio content	US7849079B2	8/3/2006	12/7/2010
United-States	System and method for accessing preferred provider of audio content	US6805827B2	8/3/2006	8/23/2011
United-States	Calendar event, notification and alert bar embedded within mail	US6745141B2	8/7/2006	6/3/2014
United-States	Method and apparatus for reconstructing a search query	US6209317B2	10/11/2011	6/26/2012
United-States	System and method for inferring user interest based on analysis of user-generated metadata	US6707169B2	8/10/2006	4/22/2014
United-States	Method and apparatus for reconstructing a search query	US6046347B2	4/22/2010	10/25/2011
United-States	Method and apparatus for reconstructing a search query	US7162018B2	8/10/2006	5/11/2010
United-States	System and method for providing tag based relevance recommendations of bookmarks in a bookmark and tag database	US6135725B2	8/11/2006	3/13/2012
United-States	System and method for providing tag based relevance recommendations of bookmarks in a bookmark and tag database	US6104772B2	12/29/2011	8/11/2015
United-States	Approsch for near duplicate image detection	US7860308B2	8/17/2006	12/28/2010
United-States	System and method for shortening click URLs	US7698347B2	8/19/2006	4/13/2010
United-States	Persistent saving portal	US6572202B2	8/22/2006	10/29/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for presenting information with multiple views	US0745162B2	4/19/2007	6/9/2014
United States	System and method for identifying web communities from sets of web pages	US7949661B2	8/24/2006	5/24/2011
United States	Structured-match-in-a-directory-sponsored-search-system	US0977605B2	8/28/2006	3/10/2015
United States	Platform for managing mobile domains and keyword activated applications	US0475623B2	8/30/2006	5/8/2012
United States	Techniques for navigational query identification	US7693865B2	8/30/2006	4/6/2010
United States	Methods and computer-readable media for enhancing product reviews	US7885863B2	8/31/2006	2/8/2011
United States	System and method for identifying media content items and related media content items	US0466029B2	9/7/2006	4/24/2012
United States	Generating event data display code	US0290980B2	9/8/2006	10/16/2012
United States	Displaying items using a reduced presentation	US761805B2	9/11/2006	7/20/2010
United States	Path discovery and analytics for network data	US0054756B2	9/18/2006	11/8/2011
United States	Discovering associative intent queries from search web logs	US7552112B2	9/18/2006	6/23/2009
United States	System and method for creating user profiles	US0655916B2	9/22/2006	2/18/2014
United States	Instant messaging interoperability between disparate services providers	US0762530B2	6/8/2015	9/12/2017
United States	Instant messaging interoperability between disparate providers	US0053461B2	9/27/2006	6/9/2015
United States	Engine for processing content rules associated with locations in a page	US0479343B2	11/2/2015	10/25/2016
United States	Engine for processing content rules associated with locations in a page	US0178793B1	9/29/2006	11/3/2015
United States	Multi-tiered anti-abuse registration for a mobile device user	US0620315B1	9/29/2006	12/31/2013
United States	Mobile device catalog registration based on user agents and customer snapshots of capabilities	US0224308B1	9/29/2006	7/17/2012
United States	Managing page sizes for a mobile device using estimation of content customizer techniques	US7996000B1	9/29/2006	8/9/2011
United States	Digital media benefit attachment mechanism	US0781892B2	9/29/2006	7/15/2014
United States	Script-based content embedding code generation in digital media benefit attachment mechanism	US0943401B2	9/29/2006	1/27/2015
United States	Content embedding code generation in digital media benefit attachment mechanism	US0965783B2	9/29/2006	2/24/2015
United States	System and method for characterizing a web page using multiple anchors sets of web pages	US7912831B2	10/3/2006	3/22/2011

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Mobile-monetization	US0521832B1	10/4/2006	8/27/2013
United-States	Mobile-monetization	US10049391B2	8/15/2013	8/14/2018
United-States	Method-for-distributed-database-processing	US0190610B2	10/5/2006	5/29/2012
United-States	System-and-method-for-enhanced-text-matching	US783660B2	10/5/2006	8/24/2010
United-States	Infrastructure-for-more-efficient-processing-to-generate-of-ad-hoc-reports	US7809735B2	10/11/2006	10/5/2010
United-States	Augmented-search-with-error-detection-and-replacement	US7577644B2	10/11/2006	8/18/2009
United-States	Systems-and-methods-for-establishing-or-maintaining-a-personalized-trusted-social-network	US0479474B2	10/27/2015	10/25/2016
United-States	Handling-dynamic-URLs-in-crawl-for-better-coverage-of-unique-content	US7827166B2	10/13/2006	11/2/2010
United-States	Systems-and-methods-for-establishing-or-maintaining-a-personalized-trusted-social-network	US0191445B2	4/19/2012	11/17/2015
United-States	Systems-and-methods-for-establishing-or-maintaining-a-personalized-trusted-social-network	US0190724B2	10/13/2006	5/29/2012
United-States	Automated-clustering-of-reports-biased-by-supervised-classification-processing	US7849027B2	10/18/2006	12/7/2010
United-States	Contextual-syndication-platform	US7962465B2	10/19/2006	6/14/2011
United-States	Format-harvesting-and-translator-for-parallel-processing-of-data	US7921446B2	10/20/2006	4/5/2011
United-States	Systems-and-methods-for-receiving-and-synchronizing-media-content	US0123048B2	10/20/2006	9/1/2015
United-States	System-and-method-for-determining-a-relationship-between-available-content-and-current-interests-to-identify-a-need-for-content	US010529B2	10/23/2006	8/30/2011
United-States	Computerized-system-and-method-for-creating-a-modified-version-of-a-digital-slide-show-by-creating-and-inserting-a-digital-content-item-into-the-digital-slide-show	US0978072B2	10/25/2006	5/22/2018
United-States	Computerized-system-and-method-for-creating-a-modified-version-of-a-digital-ticker-data-feed-by-creating-and-inserting-a-digital-content-item-into-the-digital-ticker-data-feed	US0916587B2	5/10/2007	3/13/2018
United-States	System-and-method-for-adaptively-refreshing-a-web-page	US0745183B2	10/26/2006	6/3/2014
United-States	Recommendation-diversity	US7860862B2	10/27/2006	12/28/2010
United-States	Optimization-of-targeted-advertisements-based-on-user-profile-information	US7680786B2	10/30/2006	3/16/2010

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Optimization of targeted advertisements based on user profile information	US06060520B2	3/11/2010	11/15/2011
United States	Time-based analysis of related keyword searching	US7937403B2	10/30/2006	5/3/2011
United States	Methods and systems for providing a customizable guide for navigating a corpus of content	US0914729B2	10/30/2006	12/16/2014
United States	Automatic association of reference data with primary process data based on time and shared identifier	US0171237B2	10/31/2006	5/1/2012
United States	Automatic association of reference data with primary process data based on time and shared identifier	US0621162B2	2/11/2013	12/31/2013
United States	Automatic association of reference data with primary process data based on time and shared identifier	US0397037B2	4/2/2012	3/12/2013
United States	Determining mobile content for a social network based on location and time	US0260315B2	3/7/2011	9/4/2012
United States	Determining mobile content for a social network based on location and time	US7917154B2	11/1/2006	3/29/2011
United States	System and method for dynamically retrieving data specific to a region of a layer	US0688670B2	9/9/2013	4/1/2014
United States	System and method for dynamically retrieving data specific to a region of a layer	US0235597B2	2/24/2014	1/12/2016
United States	System and method for retrieving data specific to a region of a layer	US0533217B2	11/1/2006	9/10/2013
United States	System and method for dynamically retrieving data specific to a region of a layer	US0607055B2	11/11/2016	3/20/2017
United States	Searching and route mapping based on a social network, location and time	US0408501B2	11/1/2006	1/31/2012
United States	Personalized search	US10275419B2	11/22/2016	4/30/2019
United States	Personalized search	US0519745B2	11/2/2006	12/13/2016
United States	Determining logically related sub-strings of a string	US7747607B2	11/2/2006	6/29/2010
United States	Content server for associating information based on content	US0251252B2	11/22/2013	2/2/2016
United States	Content server for associating information based on content	US0594702B2	11/16/2006	11/26/2013
United States	Sharing tagged data on the internet	US7953775B2	11/7/2006	5/31/2011
United States	System and method for synchronizing data	US7900145B2	11/9/2006	3/1/2011
United States	Customizable connections between media and meta-data via feeds	US0015189B2	11/8/2006	9/6/2011

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for transmission of DNS beacon	US6108555B2	11/09/2010	11/31/2012
United States	System and method for transmission of DNS beacons	US7853721B2	11/19/2006	12/14/2010
United States	System and method for generating subscriber queries	US7962470B2	7/2/2007	6/14/2011
United States	Deriving user intent from a user query	US7974976B2	5/18/2007	7/5/2011
United States	System and method for recognizing and storing information and associated context	US8056007B2	11/15/2006	11/8/2011
United States	System and method for generating subscriber queries on the basis of one or more features	US7739264B2	11/15/2006	6/15/2010
United States	Client-side generated search	US7895175B2	11/15/2006	2/22/2011
United States	Avatar skinning and scrolling	US8087507B2	11/15/2006	7/21/2015
United States	Map reduce with merge to process multiple relational datasets	US7523123B2	11/16/2006	4/21/2009
United States	System and method using query patterns to distinguish query intent	US8635203B2	11/16/2006	1/21/2014
United States	System and method for determining semantically related terms based on sequences of search queries	US7814086B2	11/16/2006	10/12/2010
United States	Method and system for finding similar charts for financial analysis	US7873178B2	11/21/2006	1/25/2011
United States	Method, system and apparatus for using user profile electronic device data in media delivery	US9110903B2	11/22/2006	8/18/2015
United States	Method, system and apparatus for delivery of media	US8402356B2	11/22/2006	3/19/2013
United States	Wait timer for partially formed query	US7630970B2	11/28/2006	12/8/2009
United States	Interactive user interface for collecting and processing nonembodied and placed content metrics for website design	US8126766B2	11/29/2006	2/28/2012
United States	Agent for identifying domains with content arranged for display by a mobile device	US8041702B2	11/29/2006	10/18/2011
United States	Method and user interface for navigation through grid of scheduled items	US8381130B2	11/29/2006	2/19/2013
United States	Keyword bidding strategy for novel concepts	US7941436B2	11/30/2006	5/10/2011
United States	Method and systems for managing playlists	US8176058B2	11/30/2006	5/8/2012
United States	Method and system for managing playlists	US8396103B2	5/7/2012	7/19/2016
United States	Dynamic cluster visualization	US7590945B2	11/30/2006	10/6/2009
United States	End of program pattern detector	US8045802B2	12/14/2006	10/25/2011
United States	Topic focused search result summaries	US7921092B2	12/14/2006	4/5/2011

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Bid-oriented based on visually-illustrative concepts	US7555477B2	12/5/2006	6/30/2009
United States	Interconnect-click analysis of keyword searching	US7575219A1B2	12/5/2006	7/6/2010
United States	Search results presented as visually-illustrative concepts	US7555478B2	12/5/2006	6/30/2009
United States	Sponsored-search coverage expansion	US6380706B2	12/5/2006	2/19/2013
United States	Telepresence via wireless streaming-multiplex	US6762864B2	12/5/2006	9/12/2017
United States	Web-services-multi-protocol-support	US7685304B2	12/6/2006	3/23/2010
United States	System and method for identifying target nodes from predetermined seed node subsets	US7805667B2	12/6/2006	9/28/2010
United States	System and method for routing streaming data requests	US6713192B2	12/8/2006	4/29/2014
United States	Systems and methods for providing a relevant-link destination	US6972018B2	12/11/2006	5/15/2018
United States	Systems and methods for providing cross-vertical profiling and searching	US7590615B2	12/11/2006	9/15/2009
United States	Systems and methods for providing cross-vertical profiling and searching	US7844588B2	8/5/2009	11/30/2010
United States	Selecting and presenting user-search results based on an environment taxonomy	US7822734B2	12/12/2006	10/26/2010
United States	Bid-optimization in search engine marketing	US6712932B2	12/12/2006	4/29/2014
United States	Harvesting of media objects from searched sites without a user having to enter the sites	US7941416B2	3/11/2010	5/10/2011
United States	Harvesting of media objects from searched sites without a user having to enter the sites	US7707198B2	12/12/2006	4/27/2010
United States	System for generating a smart advertisement based on a dynamic file and a configuration file	US6160925B2	12/12/2006	4/17/2012
United States	Selecting and presenting user-search results based on user information and/or identifying tags and host marketing for a mobile application	US6341144B2	10/13/2010	12/25/2012
United States	Query rewriting with spell correction suggestions using a generated set of query features	US6268873B2	12/14/2006	2/23/2016
United States	Query rewriting with spell correction suggestions using a generated set of query features	US7630978B2	12/14/2006	12/8/2009
United States	Creative-adult-system	US6538888B2	12/14/2006	9/17/2013
United States	Management of network login identities	US6510813B2	12/15/2006	8/13/2013
United States	Modulated synchronization data feed	US6224889B2	12/15/2006	7/17/2012
United States	Interconnection processing of requests relative to synchronization data feed items	US6886707B2	12/15/2006	11/11/2014

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-method-for-determining-exceptions-in-a-content-item-using-context	US08056145B2	12/15/2006	10/7/2014
United-States	System-and-method-for-facilitating-iterative-selection-and-presentation-of-datasets	US7581193B2	12/15/2006	8/25/2009
United-States	Auto-gniffing-of-carrier-performance-using-reverse-round-trip-time	US08041303B2	12/18/2006	10/18/2011
United-States	Evaluating-performance-of-click-fraud-detection-systems	US0655724B2	9/5/2013	2/18/2014
United-States	Evaluating-performance-of-binary-classification-systems	US0854623B2	12/18/2006	10/8/2013
United-States	Systems-and-methods-for-identifying-premium-content-items-in-a-result-set	US08041723B2	12/16/2006	10/18/2011
United-States	Systems-and-methods-for-identifying-premium-content-items-in-a-result-set	US7877395B2	12/18/2006	1/25/2011
United-States	Providing-system-configuration-information-to-a-search-engine	US10120936B2	12/19/2006	11/6/2018
United-States	Techniques-for-including-collection-items-in-search-results	US0009164B2	6/6/2011	4/14/2015
United-States	Dynamically-configured-forward-scheduling-over-uncertain-workloads	US7886042B2	12/19/2006	2/8/2011
United-States	Techniques-for-including-collection-items-in-search-results	US7958126B2	12/19/2006	6/7/2011
United-States	User-behavior-reporting-based-on-pre-aggregated-activity-data	US7533130B2	12/19/2006	5/12/2009
United-States	Techniques-for-including-collection-items-in-search-results	US0576055B2	2/10/2015	2/21/2017
United-States	System-and-method-for-labeling-a-content-item-based-on-a-posterior-probability-distribution	US0744833B2	12/19/2006	6/3/2014
United-States	System-and-method-for-facilitating-iterative-selection-of-clusters-and-presentation-of-related-datasets	US08051082B2	12/19/2006	11/4/2011
United-States	Propensity-to-click-targeting-and-modeling	US7769786B2	12/19/2006	8/3/2010
United-States	Transferring-behavioral-profiles-anonymously-across-domains-for-behavioral-targeting	US0660890B2	12/19/2006	2/25/2014
United-States	Browser-renderable-toolbar	US0803296B2	12/20/2006	4/7/2015
United-States	Graphical-user-interface-to-manipulate-syndication-data-feeds	US7680939B2	12/20/2006	3/16/2010
United-States	System-and-method-for-query-expansion	US7685119B2	12/20/2006	3/23/2010
United-States	Discovering-query-intent-from-search-queries-and-concept-networks	US7840538B2	12/20/2006	11/23/2010
United-States	Providing-real-time-information-in-a-visual-information-write	US0423603B2	7/8/2008	4/16/2013
United-States	System-and-method-for-generating-a-maximum-utility-state-of-advertisements-for-online-advertisements-positions	US0719096B2	12/20/2006	5/6/2014

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Discovering query intent from search queries and concept networks	US9135721B2	10/21/2010	3/13/2012
United-States	Identifying items that have experienced recent interest bursts	US8046248B2	12/21/2006	10/25/2011
United-States	System for tagging data to sites referenced on a page	US8108300B2	12/21/2006	4/31/2012
United-States	System for generating scores related to interactions with a service provider partner	US8458025B2	1/26/2007	6/4/2013
United-States	Providing multiple media items to a consumer via a simplified consumer interaction	US8356039B2	12/21/2006	1/15/2013
United-States	Academic filter	US8024280B2	12/21/2006	9/20/2011
United-States	Clustered query support for a database query engine	US7844608B2	12/22/2006	11/30/2010
United-States	Social network commerce model	US8055538B2	12/22/2006	11/8/2011
United-States	Dynamic pricing models for digital content	US8076148B2	12/22/2006	7/7/2015
United-States	Link-retrofitting of digital media objects	US828048B2	12/22/2006	2/28/2017
United-States	Exported overlays	US8734257B2	12/22/2006	8/15/2017
United-States	Method and system for locating events in context	US8185524B2	12/22/2006	5/22/2012
United-States	Confusion matrix for classification systems	US8611675B2	12/22/2006	12/17/2013
United-States	Method and system for progressive disclosure of search results	US8156135B2	12/22/2006	4/10/2012
United-States	Method and system for managing multiple catalogs of files on a network	US8103590B2	12/26/2006	1/24/2012
United-States	System and method for clearing a weighted index to categorize objects	US756845B2	12/28/2006	7/13/2010
United-States	Methods and systems for delivery of information to a mobile computing device based on priority of the information	US8762693B2	6/9/2014	9/12/2017
United-States	Identifying interest twins in an online community	US8166058B2	12/28/2006	4/24/2012
United-States	Asymmetric identification of interest twins in an online community	US9342614B2	4/10/2012	5/17/2016
United-States	Methods and systems for pre-echoing information on a mobile computing device	US8769099B2	12/28/2006	7/14/2014
United-States	Automatically generating user customized notifications of changes in a social network system	US7844604B2	12/28/2006	11/30/2010
United-States	User content feeds from user storage devices to a public search engine	US797295B2	1/4/2007	9/14/2010
United-States	Estimation of web client response time	US779133B2	1/4/2007	8/17/2010
United-States	Clustered search processing	US8326841B2	10/11/2011	12/4/2012
United-States	Clustered search processing	US7630972B2	1/5/2007	12/8/2009

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Clustered-search-proceeding	US0145637B2	10/30/2009	3/27/2012
United-States	Methods-and-systems-for-exploring-a-corpus-of-content	US0510377B2	1/24/2012	8/13/2013
United-States	Methods-and-systems-for-exploring-a-corpus-of-content	US0417256B2	1/09/2007	2/14/2012
United-States	Method-for-improving-visibility-of-search-results-by-avoiding-indexing-sections-of-pages	US7698329B2	1/10/2007	4/13/2010
United-States	Method-and-system-for-publishing-media-content	US0868465B2	1/12/2007	10/21/2014
United-States	Method-and-system-for-online-mixing-of-digital-multiplexed-media	US0411750B2	1/12/2007	4/2/2013
United-States	System-and-method-for-automatically-organizing-bookmarks-through-the-use-of-tag-data	US0010532B2	1/17/2007	8/30/2011
United-States	System-and-method-for-the-retrieval-and-display-of-supplemental-content	US0983023B2	1/25/2007	3/17/2015
United-States	System-for-classifying-a-search-query	US7603348B2	1/26/2007	10/13/2009
United-States	System-and-method-for-automatically-determining-an-advertisement-type-of-a-digital-advertisement	US0105049B2	1/31/2007	8/11/2015
United-States	Revenue-adjustment-proceeds	US0626574B2	1/31/2007	1/7/2014
United-States	System-for-updating-advertisement-bids	US7974880B2	1/31/2007	7/5/2011
United-States	Collecting-implicit-information-for-determining-content-of-event-actions	US0599801B2	2/1/2007	12/3/2013
United-States	Method-and-system-for-improved-event-oriented-searching	US0825625B2	2/1/2007	9/2/2014
United-States	Method-for-realizing-handling-in-query-for-web-search	US7996410B2	2/1/2007	8/9/2011
United-States	Form-expansion-using-associative-matching-of-label-term-pairs	US7685084B2	2/9/2007	3/23/2010
United-States	Extraction-of-logical-events-from-network-data	US7849051B2	2/12/2007	12/7/2010
United-States	System-and-method-for-determining-web-page-visibility-using-collective-inference-based-on-local-and-global-information	US7809705B2	2/13/2007	10/5/2010
United-States	High-availability-and-data-protection-of-OLTP-databases	US0100572B2	2/15/2007	5/29/2012
United-States	Content-avatar	US7979067B2	2/15/2007	7/12/2011
United-States	Ranking-documents	US7756867B2	2/16/2007	7/13/2010
United-States	Federated-searches-implemented-across-multiple-search-engines	US7930286B2	2/16/2007	4/19/2011
United-States	Ranking-documents	US7958111B2	7/7/2010	6/7/2011
United-States	Methods-of-dynamically-creating-personalized-Internet-advertisements-based-on-advertiser-input	US0650265B2	2/20/2007	2/11/2014
United-States	Discovers-and-determining-characteristics-of-network-proxies	US7702772B2	2/22/2007	4/20/2010

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System for providing for a revenue generator to bid individually on mobile search traffic originating from each mobile carrier in a plurality of mobile carriers	US6494906B2	7/30/2007	7/23/2013
United States	System for separating mobile search traffic from web search traffic using keyword separation	US6485438B2	12/24/2010	5/22/2012
United States	System for creating separate data serving spaces for each mobile carrier in a plurality of mobile carriers	US6660896B2	7/30/2007	2/25/2014
United States	System for creating separate data serving spaces for each mobile carrier in a plurality of mobile carriers	US6740828B2	12/26/2013	7/18/2017
United States	Instant content searching and presentation by category	US6370349B2	2/28/2007	2/5/2013
United States	System for providing for a revenue generator to bid exclusively on mobile search traffic	US6996405B2	7/30/2007	3/31/2015
United States	System for separating mobile search traffic from web search traffic using keyword separation	US7917392B2	7/30/2007	3/29/2011
United States	Identifying offensive content using user click data	US6280871B2	3/2/2007	10/2/2012
United States	Stateless gateway having remote dialout store	US6301782B2	3/2/2007	10/30/2012
United States	Link optimization	US7647316B2	3/5/2007	1/12/2010
United States	Method of processing and segmenting web usage information	US7822755B2	3/6/2007	10/26/2010
United States	Scrolling mobile advertisement	US7904062B2	3/8/2007	3/8/2011
United States	System for storing event data using a sum calculator that sums the cubes and squares of events	US7908239B2	10/18/2010	3/15/2011
United States	Method and system for time sliced aggregation of data that monitors user interactions with a web page	US7840523B2	3/9/2007	11/23/2010
United States	"Query log match" relevance features	US7827172B2	3/14/2007	11/2/2010
United States	Implicit name searching	US7917489B2	3/14/2007	3/29/2011
United States	Sponsored listing recommendation engine	US6417573B2	3/14/2007	4/9/2013
United States	Manufacture of a circuit board and circuit board containing a component	US50895347B2	3/18/2015	9/25/2018
United States	Manufacturing list tailoring for a mobile device	US6381096B2	3/15/2007	2/19/2013
United States	Manufacture of a circuit board containing a component	US6984746B2	3/15/2007	3/24/2015
United States	System and method of providing content information for client application data stored on the web	US6046436B2	3/16/2007	10/25/2011

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for providing web-system-services-for-storing data and context of client-applications-on-the-web	US6041781B2	3/16/2007	10/18/2011
United States	System and method of restoring data and context of client applications stored on the web	US6046439B2	3/16/2007	10/25/2011
United States	System and method of providing a user interface for client applications to store data and context information on the web	US7996779B2	3/16/2007	8/9/2011
United States	System and method of storing data and context of client application on the web	US6046437B2	3/16/2007	10/25/2011
United States	Identifying popular segments of media objects	US10282425B2	3/19/2007	5/7/2019
United States	Currentcy-system-to-reward-constructive-behavior	US6412608B2	3/19/2007	4/2/2013
United States	Browser-integratable-document-for-controlling-a-plurality-of-media players-and-systems-and-methods-related-there-to	US6756505B2	6/20/2008	6/17/2014
United States	System-for-measuring-web-traffic-related-to-an-offline-advertising campaign	US6386318B2	3/20/2007	2/26/2013
United States	Injecting content into third party documents for document processing	US6656678B2	3/20/2007	11/22/2011
United States	Employing-matching-of-event-characteristics-to-suggest-another characteristic-of-an-event	US7865206B2	3/20/2007	11/4/2011
United States	In-page-installer	US6656758B2	3/21/2007	11/22/2011
United States	Methods-and-systems-for-managing-widgets-through-a-widget-clock-user interface	US6881052B2	3/21/2007	11/4/2011
United States	Traffic-prediction-in-dec-and-related-metrics-for-analysis-of-a-network-of related web sites	US7885942B2	3/21/2007	2/8/2011
United States	Divided-backup-of-data-warehouse	US7769716B2	3/27/2007	8/3/2010
United States	Using-activation-paths-to-cluster-proximity-query-results	US7636713B2	3/27/2007	11/22/2009
United States	System-for-determining-local-intent-in-a-search-query	US10134055B2	2/12/2016	11/20/2018
United States	System-for-determining-local-intent-in-a-search-query	US7788252B2	3/28/2007	8/31/2010
United States	System-for-determining-the-geographic-range-of-local-intent-in-a-search query	US6185398B2	7/12/2010	5/22/2012
United States	System-for-determining-the-geographic-range-of-local-intent-in-a-search query	US7805450B2	3/28/2007	9/28/2010
United States	System-for-determining-the-geographic-range-of-local-intent-in-a-search query	US6601008B2	4/30/2012	12/3/2013
United States	System-for-determining-local-intent-in-a-search-query	US9262439B2	12/2/2013	2/16/2016

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for launching a browser	US7610277B2	3/29/2007	10/27/2009
United States	Method and system for registering and retrieving production information	US7620657B2	3/29/2007	11/17/2009
United States	Attribute extraction using limited training data	US7689527B2	3/30/2007	3/30/2010
United States	Point of presence distribution mechanism for digital content objects	US0906627B2	3/30/2007	6/12/2018
United States	Mobile addressability with mapping of phone numbers to dynamic IP addresses	US0906075B2	4/2/2007	11/15/2011
United States	Employing the SMS protocol as a transport layer protocol	US0905069B2	4/2/2007	11/14/2011
United States	System and method for determining impression volumes of content items in a taxonomy hierarchy	US7921107B2	4/5/2007	4/5/2011
United States	Dynamic bid pricing for sponsored search	US7933899B2	10/5/2010	4/26/2011
United States	Dynamic bid pricing for sponsored search	US7956433B2	4/6/2007	12/21/2010
United States	System and method for modeling user selection feedback in a search result page	US7827184B2	4/10/2007	11/2/2010
United States	System and method for scene-based content delivery	US8266167B2	4/10/2007	9/11/2012
United States	System for generating query suggestions using a network of users and advertisers	US7921107B2	7/30/2007	4/5/2011
United States	System for generating query suggestions by integrating valuable query suggestions with experimental query suggestions using a network of users and advertisers	US7849080B2	7/30/2007	12/7/2010
United States	Temporal targeting of advertisements	US7672937B2	4/11/2007	3/2/2010
United States	System and method for extrapolating data from a sample set	US8150849B2	4/12/2007	4/3/2012
United States	Techniques for detecting duplicate web pages	US7698317B2	4/10/2007	4/13/2010
United States	Using natural search click events to optimize online advertising campaigns	US7844605B2	4/20/2007	11/30/2010
United States	System and method for identifying advertisements responsive to historical user queries	US7644098B2	4/24/2007	1/5/2010
United States	System for serving data that matches content related to a search results page	US9940641B2	7/19/2016	4/10/2018
United States	System for serving data that matches content related to a search results page	US0306261B2	4/25/2007	7/19/2016
United States	Instant communication with the VPN tunnel management	US8418244B2	4/27/2007	4/9/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Context-sensitive, self-adjusting targeting models	US7699410B2	4/27/2007	4/13/2010
United States	System and method for determining semantically related terms using an active learning framework	US6275722B2	3/10/2010	9/25/2012
United States	Method and apparatus using a classifier to determine semantically relevant terms	US707127B2	4/30/2007	4/27/2010
United States	Apparatus and methods for providing search benchmarks	US7899815B2	5/2/2007	3/1/2011
United States	Smart fields	US6621383B2	7/12/2010	12/31/2013
United States	Smart fields	US7836407B2	5/2/2007	11/16/2010
United States	System and method for annotating hierarchical data using isotonic regression	US7870474B2	5/4/2007	1/11/2011
United States	System and method for detecting a web page template	US7987417B2	5/4/2007	7/26/2011
United States	Trusted third party clearing house for lead tracking	US6423479B2	5/7/2007	4/16/2013
United States	Content delivery system using natural query events	US10275793B2	4/18/2014	4/30/2019
United States	Multi-user interactive web-based searches	US8621367B2	4/26/2013	12/31/2013
United States	Multi-user interactive web-based searches	US8458599B2	5/8/2007	6/4/2013
United States	Use of natural queries to improve online advertising campaigns	US8712844B2	5/8/2007	4/29/2014
United States	Automated tagging of syndication data feeds	US7752314B2	5/15/2007	7/5/2010
United States	Context directed search	US8849855B2	5/16/2007	9/30/2014
United States	Geographically distributed real time communications platform	US8850035B1	5/16/2007	9/30/2014
United States	Interactive aggregation of data on a scatter plot	US9122056B2	5/17/2007	2/21/2012
United States	Efficient online computation of diverse query results	US8001117B2	5/18/2007	8/16/2011
United States	Dynamic layout for a search engine results page on implicit user feedback	US8015502B2	5/22/2007	9/6/2011
United States	Visual interface to indicate custom binning of items	US7756906B2	5/22/2007	7/13/2010
United States	Exporting aggregated and un-aggregated data	US7739229B2	5/22/2007	6/15/2010
United States	Dynamic layout for a search engine results page based on implicit user feedback	US8683379B2	7/28/2011	3/25/2014
United States	Methods of processing and segmenting web usage information	US9965764B2	5/23/2007	5/8/2018
United States	Incentive based system and method for third party web application development and publication	US10068238B2	5/23/2007	9/4/2018

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Predefinition of click-through rates using hybrid kahnhan filter tree structure and markov model classifiers	US7680746B2	5/23/2007	3/16/2010
United States	Visual browsing system and method	US9046995B2	10/7/2011	6/2/2015
United States	Visual browsing system and method	US9037424B2	5/24/2007	10/11/2011
United States	Enabling searching of user ratings and reviews using user profile location and social networks	US7995177B2	5/29/2007	2/22/2011
United States	Method and apparatus for using B-measures to learn balanced relevance functions from expert and user judgments	US7685978B2	5/30/2007	3/23/2010
United States	System and method for providing vector terms related to a search query	US8392446B2	5/31/2007	3/5/2013
United States	Enhanced search results based on user feedback relating to search result abstracts	US7818320B2	5/31/2007	10/19/2010
United States	Centralized location broker	US8045995B2	5/31/2007	10/25/2011
United States	Detection of abnormal user click activity in a search results page	US7860870B2	5/31/2007	12/28/2010
United States	User interactive precision targeting principle	US7882111B2	6/4/2007	2/4/2011
United States	Gold row encapsulation for server farm cooling system	US7672128B2	10/27/2008	3/2/2010
United States	Gold row encapsulation for server farm cooling system	US8913381B2	3/8/2013	12/16/2014
United States	Gold row encapsulation for server farm cooling system	US9571428B2	12/11/2009	6/7/2011
United States	Gold row encapsulation for server farm cooling system	US9930811B2	5/27/2016	3/27/2018
United States	Gold row encapsulation for server farm cooling system	US9363929B2	12/12/2014	6/7/2016
United States	Gold row encapsulation for server farm cooling system	US8395891B2	8/18/2008	3/12/2013
United States	Gold row encapsulation for server farm cooling system	US7430111B1	6/4/2007	9/30/2008
United States	Method and system for rendering a collection of media items	US8799249B2	6/8/2007	8/5/2011
United States	Category based advertisement	US7865397B2	6/13/2007	1/4/2011
United States	Method and system for media based event generation	US9542394B2	6/14/2007	1/10/2017
United States	Method and system for media identification	US7998556B2	6/14/2007	3/15/2011
United States	Mobile contextual SMS advertising	US9430772B2	6/14/2007	8/30/2016
United States	Relative typing waiting time before disambiguation aids	US7747793B2	6/18/2007	6/29/2010
United States	System and method for knowledge based search system	US7882848B2	6/26/2007	8/31/2010
United States	Determining quality measures for web objects based on searcher behavior	US9290986B2	6/27/2007	10/16/2012

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for generating a linear machine learning model for predicting online user input actions	US0364627B2	4/31/2011	4/29/2013
United States	Dynamic hardware switcher	US0275760B2	6/29/2007	9/25/2012
United States	Graphical data for behavioral targeting using predictive models	US0210609B2	6/28/2007	4/5/2011
United States	Graphical data for behavioral targeting	US0760907B2	4/14/2013	9/12/2017
United States	System and method of generating recommendations using an RFID-enabled recommendation system	US0692536B2	6/28/2007	4/6/2010
United States	Desktop application factory and application templates	US0166455B2	6/28/2007	4/24/2012
United States	System and method for enabling parallel access to serially compressed files	US07756817B2	7/5/2007	7/13/2010
United States	Interface for visually searching and navigating objects	US0941429B2	7/10/2007	5/10/2011
United States	Behavioral predictions based on network activity locations	US0958222B2	7/13/2007	6/7/2011
United States	Method and system for improved media distribution	US0881186B2	7/12/2007	11/4/2014
United States	Method for matching electronic advertisements to surrounding content based on their advertisement content	US08073803B2	7/16/2007	12/6/2011
United States	Calculating efficiency score for navigating internet pages based on eye-tracking data	US0108800B2	7/16/2007	4/31/2012
United States	Techniques for representing location information	US0165808B2	7/17/2007	4/24/2012
United States	Techniques for improving user engagement with advertisements	US0947016B2	7/18/2007	4/17/2018
United States	System and method of making markets for a finite subset of orders placed across computers and optionally in finite outdoor spaces	US0566205B2	7/18/2007	10/22/2013
United States	System and method to facilitate classification and storage of events in a network	US0666819B2	7/20/2007	3/4/2014
United States	System and method to facilitate importation of data taxonomies within a network	US07991806B2	7/20/2007	8/2/2011
United States	System and method to facilitate matching of content to advertising information in a network	US0688521B2	7/20/2007	4/1/2014
United States	Connection sub-graphs in entity relationship graphs	US07685141B2	7/23/2007	3/23/2010
United States	Comment faces	US0747602B2	7/31/2007	6/29/2010
United States	Tráfico predictor for network accessible information modules	US0987261B2	7/31/2007	7/26/2011
United States	Mail compression scheme with individual message decompressability	US0783609B2	7/31/2007	11/16/2010
United States	Enabling clustered search processing via text messaging	US0693902B2	8/2/2007	4/6/2010

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Employing pixel density to detect a spam image	US7082177B2	8/6/2007	2/4/2011
United States	Employing pixel density to detect a spam image	US6901719B2	12/8/2010	10/30/2012
United States	Estimating the date relevance of a query from query logs	US7966341B2	8/6/2007	6/24/2011
United States	Method and system of facilitating search by color	US6577134B2	8/7/2007	11/5/2013
United States	Remote profile modification for device recovery assist	US10182345B2	4/21/2015	11/15/2019
United States	Remote profile modification for device recovery assist	US6020466B2	8/8/2007	4/28/2015
United States	System and method for providing a multi-function search box for creating word pages	US6418141B2	8/9/2007	8/16/2016
United States	System and method for providing a persistent navigation bar in a word page	US7930645B2	8/9/2007	4/19/2011
United States	System and methods for providing enhanced content portability in a word page module	US6595183B2	8/9/2007	11/26/2013
United States	System and method for determining document and entity word pages	US6972458B2	8/9/2007	3/3/2015
United States	Method for generating structured query results using lexical clustering	US7809745B2	8/9/2007	10/5/2010
United States	Method and system for wireless access using a network	US10134043B2	8/13/2007	11/20/2018
United States	System and method for identifying similar media objects	US10152517B2	2/24/2013	12/11/2018
United States	System and method for selecting a training sample from a sample set based on data sample proximity	US7844567B2	8/13/2007	11/30/2010
United States	System and method for identifying similar media objects	US6407230B2	8/24/2007	3/26/2013
United States	System and method for identifying similar media objects	US7849093B2	8/13/2007	12/7/2010
United States	System and method for the generation of replacement titles for content items	US6055670B2	8/13/2007	11/9/2011
United States	Method and system for intent queries and results	US6903792B2	8/14/2007	12/2/2014
United States	Method for organizing structuredly similar web pages from a web site	US7941420B2	8/14/2007	5/10/2011
United States	System and methods for providing media access patterns in a geographic area	US9037576B2	8/16/2007	5/19/2015
United States	Personal visual media player	US6316300B2	1/24/2011	11/20/2012
United States	Personal visual media player	US7876878B2	8/16/2007	11/25/2011
United States	Intelligent media buffering based on input focus proximity	US9148628B2	8/16/2007	9/29/2015
United States	Mobile carrier capability	US6010087B2	8/20/2007	8/30/2011

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Predictive discrete latent factor models for large-scale dyadic data	US7953676B2	8/20/2007	5/31/2011
United States	Predictive stemming for web search with statistical machine translation models	US788276B2	8/22/2007	8/31/2010
United States	Engagement oriented recommendation principle	US7904303B2	8/24/2007	3/8/2011
United States	Secure inter-module communication mechanism	US0424551B2	1/30/2012	8/23/2016
United States	Secure inter-module communication mechanism	US6108771B2	9/9/2008	1/31/2012
United States	Secure inter-module communication mechanism	US6108770B2	8/27/2007	1/31/2012
United States	Integrating sponsored media with user-generated content	US6639744B2	8/29/2007	1/28/2014
United States	Module hosting and content generation platform	US6397212B2	8/29/2007	3/12/2013
United States	Integrating sponsored media with user-generated content	US0436950B2	12/10/2013	9/6/2016
United States	Integrating sponsored media with user-generated content	US10013704B2	6/9/2016	7/3/2018
United States	Automatic extraction of semantics from text information	US7899804B2	8/30/2007	3/4/2011
United States	Automatic extraction of semantics from text information	US6060491B2	1/27/2011	11/15/2011
United States	System and method using sampling for allocating web page placements in online publishing of content	US6010018B2	8/30/2007	8/16/2011
United States	Customizable mobile message services	US0271147B2	2/15/2012	2/23/2016
United States	Customizable mobile message services	US6200257B2	8/30/2007	6/12/2012
United States	Task-based tool for speeding and customizing interactions with web documents	US6087033B2	8/31/2007	12/27/2011
United States	Prediction engines using probability tree and computing node probabilities for the probability tree	US7908238B1	8/31/2007	3/15/2011
United States	System and method for recommending songs	US783623B2	8/31/2007	8/24/2010
United States	System and method for generating a playlist from a mood gradient	US0830351B2	11/6/2013	11/28/2017
United States	System and method for generating a playlist from a mood gradient	US0583615B2	8/31/2007	11/12/2013
United States	System and method for generating a mood gradient	US0268812B2	10/31/2013	2/23/2016
United States	Customized today module	US065619B2	9/4/2007	11/22/2011
United States	Instant messaging malware protection	US6899330B2	9/5/2007	4/1/2014
United States	Memory-efficient storage of large numbers of key-value pairs	US7903819B2	9/7/2007	3/8/2011
United States	Audible metadata	US0812023B2	9/10/2007	11/7/2017
United States	Social network site including trust-based wiki functionality	US1035408B2	7/20/2015	7/16/2019

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Automatically fetching web content with user assistance	US7941740B2	9/11/2007	5/10/2011
United States	Social network site including contact based recommendation functionality	US7945862B2	9/11/2007	5/17/2011
United States	Social network site including trust based Wiki functionality	US8087325B2	9/11/2007	7/21/2015
United States	Social network site including invitation functionality	US8177294B2	9/11/2007	11/9/2015
United States	System and method of inter-widged communication	US836189B2	12/17/2012	12/5/2017
United States	Social network site including interactive digital objects	US9037970B2	9/11/2007	5/19/2015
United States	System and method of inter-widged communication	US8352966B2	9/11/2007	1/8/2013
United States	SMS short code allocation	US8467814B2	9/11/2007	6/19/2013
United States	Targeted in group advertising	US9767461B2	9/12/2007	9/19/2017
United States	Method and system for merging data sets	US8108411B2	9/11/2007	1/31/2012
United States	SMS spam control	US7853248B2	9/21/2007	12/14/2010
United States	Mail monetization... revenue sharing model	US9836722B2	9/25/2007	12/5/2017
United States	Restoring a database using fuzzy snapshot techniques	US7725440B2	9/26/2007	5/25/2010
United States	Web based competitions using dynamic preference ballots	US8125144B2	9/26/2007	8/19/2014
United States	Methods for cross market brand advertising; content metrics analysis; and placement recommendations	US898753B2	9/27/2007	2/20/2018
United States	Real-time search term popularity determination, by search origin geographic location	US9946881B2	8/11/2008	4/17/2018
United States	Real-time search term popularity determination, by search origin geographic location	US7428523B1	9/27/2007	9/23/2008
United States	Methods for managing content for brand related media	US8290982B2	9/27/2007	10/16/2012
United States	System and method of automatically sizing and adapting a widget to available space	US10176272B2	9/28/2007	1/8/2019
United States	System and method for contextual commands in a search results page	US8232389B2	9/28/2007	12/29/2015
United States	Three-dimensional website visualization	US8402394B2	9/28/2007	3/19/2013
United States	Gradient based optimization of a ranking measure	US7895198B2	9/28/2007	2/22/2011
United States	System and method for inclusion of interactive elements on a search results page	US9268856B2	9/28/2007	2/23/2016
United States	Decentralized record expiry	US7783607B2	9/29/2007	8/24/2010
United States	System and method for contextual commands in a search results page	US8148058B2	9/28/2007	3/20/2012

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for editing history in a search results page	US9109370B2	9/29/2007	4/31/2012
United States	System and method for keyboard navigation in a search results page	US8850358B2	9/29/2007	9/30/2014
United States	Bootstrapping social networks using augmented peer-to-peer distributions of social networking services	US9390396B2	10/9/2007	7/12/2016
United States	System and method for creating and applying predictive user click models to predict a target page associated with a search query	US9195743B2	10/4/2007	11/24/2015
United States	System and method for detecting irrelevant bots	US9280939B2	10/4/2007	10/2/2012
United States	System and method for detecting postings lists	US7890488B2	10/5/2007	2/15/2011
United States	Peer-to-peer browser content caching	US10135919B2	5/19/2017	11/29/2018
United States	Device, method and computer program product for generating web feeds	US9448983B2	2/26/2014	9/29/2016
United States	Recommendations based on an adoption curve	US9050960B2	10/9/2007	11/1/2011
United States	Device, method and computer program product for generating web feeds	US9706757B1	10/9/2007	4/22/2014
United States	Peer-to-peer browser content caching	US9667714B2	1/11/2013	5/30/2017
United States	Recommendations based on an adoption curve	US9762228B2	10/21/2011	6/24/2014
United States	Peer-to-peer browser content caching	US9392604B2	10/9/2007	3/5/2013
United States	Network accessible object index	US9145727B2	10/10/2007	3/27/2012
United States	Playlist resolver	US9959085B2	10/10/2007	2/17/2015
United States	Contentual and matching strategies that incorporate author feedback	US9156002B2	10/10/2007	4/10/2012
United States	Identity management	US7689627B2	10/15/2007	3/30/2010
United States	Method for presenting a web page	US9104775B2	10/16/2007	8/11/2015
United States	Method and system for creating superior informational guides	US7962851B2	10/16/2007	6/14/2011
United States	Method and system for providing virtual co-presence to broadcast audiences in an online broadcast system	US8887185B2	10/16/2007	11/11/2014
United States	System and method for implementing an ad management system for an extensible media player	US9843774B2	8/1/2008	12/12/2017
United States	Method and system for providing content according to personal preference	US9595226B2	10/17/2007	11/26/2013
United States	User augmented reality for camera enabled mobile devices	US9275444B1	5/11/2012	9/25/2012
United States	User augmented reality for camera enabled mobile devices	US9606317B2	10/31/2012	12/10/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Virtual-universals-translation-for-a-mobile-device-with-a-camera	US6725490B2	10/18/2007	5/13/2014
United-States	System-and-method-for-locating-a-network-of-categories-using-prediction	US7977335B2	10/18/2007	1/25/2011
United-States	Locating-dense-and-isolated-sub-graphs-through-constraining-analytical-weighted-graph	US7798210B2	10/19/2007	9/31/2010
United-States	Method-and-system-for-creating-a-bulletin-board-system-(BBS)-message-including-a-map-through-a-community-connection-network	US6621043B2	10/19/2007	12/31/2013
United-States	Method-and-system-for-replacing-hyperlinks-in-a-webpage	US6751606B2	10/19/2007	6/10/2014
United-States	Delayed-advertisement-insertion-in-wides	US6108257B2	10/23/2007	1/31/2012
United-States	Visual-universal-decryption-apparatus-and-methods	US6406424B2	10/25/2007	3/26/2013
United-States	Visual-universal-decryption-apparatus-and-methods	US6712047B2	2/21/2013	4/29/2014
United-States	Toolbar-signature	US7958363B2	10/26/2007	6/7/2011
United-States	Media-enhancement-mechanism-using-embed-code	US6290929B2	10/26/2007	10/16/2012
United-States	Shortcut-sets-for-controlled-environments	US7752285B2	10/26/2007	7/6/2010
United-States	Shortcut-sets-for-controlled-environments	US694614B2	10/17/2013	4/8/2014
United-States	Shortcut-sets-for-controlled-environments	US6566424B2	3/25/2010	10/22/2013
United-States	Text-enhancement-mechanism	US7899808B2	10/26/2007	3/1/2011
United-States	Media-enhancement-mechanism-using-embed-code	US6871841B2	10/15/2012	1/16/2018
United-States	Method-for-selecting-electronic-advertisements-using-machine-translation-techniques	US7912843B2	10/29/2007	3/22/2011
United-States	Method-for-selecting-electronic-advertisements-using-machine-translation-techniques	US6145649B2	12/16/2010	3/27/2012
United-States	System-and-method-for-global-load-balancing-of-requests-for-content-based-on-membership-status-of-a-user-with-one-or-more-subscription-services	US7904409B2	10/29/2007	3/8/2011
United-States	System-and-method-for-global-load-balancing-of-requests-for-content-based-on-membership-status-of-a-user-with-one-or-more-subscription-services	US6972326B2	1/27/2011	3/3/2015
United-States	System-and-method-for-global-load-balancing-of-requests-for-content-based-on-membership-status-of-a-user-with-one-or-more-subscription-services	US6692816B2	1/28/2015	6/27/2017
United-States	Representative-keyword-selection	US9292863B2	6/7/2013	3/22/2016
United-States	Community-based-web-filtering	US7747688B2	10/30/2007	6/29/2010

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Representative-keyword-selection	US0463770B2	10/30/2007	6/11/2013
United-States	Auction-pricing-many-substitute-products	US0156032B2	10/31/2007	4/10/2012
United-States	Text-display-of-gov-reference-information-based-on-relative-distance-to-a-user-location	US0775420B2	10/31/2007	7/8/2014
United-States	System-and-method-for-updating-a-search-results-page-in-response-to-a-user-interaction	US0418074B2	12/30/2011	8/16/2016
United-States	Charity-auctions-on-social-networks-for-optimizing-contributions-to-fundraising-campaigns	US0806543B2	10/31/2007	12/27/2011
United-States	System-and/or-method-for-processing-events	US7890404B2	10/31/2007	2/15/2011
United-States	System-and-method-for-updating-a-search-results-page-in-response-to-a-user-interaction	US0108416B2	10/31/2007	1/31/2012
United-States	Distributed-collaborative-knowledge-generation-system-wherein-student-performs-queries-using-a-dynamic-knowledge-database-and-retrieve- subsets-of-data-are-shared-with-multiple-users-on-the-web	US7885913B2	10/31/2007	2/8/2011
United-States	Distributed-collaborative-knowledge-generation-system	US0171258B2	2/4/2011	10/27/2015
United-States	Techniques-for-modifying-a-query-based-on-query-associations	US090356B2	11/12/2007	1/6/2015
United-States	Web-page-orientation-using-graph-based-term-selection	US7769740B2	11/13/2007	8/3/2010
United-States	Advertisements-on-mobile-devices-using-integrations-with-mobile-applications	US0275419B2	11/14/2007	9/25/2012
United-States	Advertisements-on-mobile-devices-using-integrations-with-mobile-applications	US0583188B2	8/29/2012	11/12/2013
United-States	Device-method-and-computer-program-product-for-sharing-web-feeds	US0150878B1	11/15/2007	4/9/2012
United-States	Online-advertiser-keyword-valuation-to-decide-whether-to-acquire-the-advertiser	US7805331B2	11/20/2007	9/28/2010
United-States	Advertisement-display-depth-optimization-to-maximize-click-activity-page-yield	US7831456B2	11/21/2007	11/9/2010
United-States	User-initiated-invoke-for-automatic-conference-participation-by-invoice	US0396461B2	11/15/2011	3/12/2013
United-States	User-initiated-invoke-for-automatic-conference-participation-by-invoice	US081958B2	11/21/2007	12/20/2011
United-States	Method-and-system-for-media-collection-expansion	US1015395B2	4/30/2014	12/11/2018
United-States	Method-and-system-for-media-promotion	US0269089B2	11/22/2007	2/23/2016
United-States	Method-and-system-for-media-collection-expansion	US0802606B2	11/22/2007	11/18/2014
United-States	Targeted-distribution-of-electronic-coupons	US0280766B2	8/26/2011	10/2/2012

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Mobile device tracking and location awareness	US7973655B2	11/27/2007	7/5/2011
United States	Determining a relevance function based on a query error derived using a structured-output learning technique	US8005774B2	11/28/2007	8/23/2011
United States	System and method to facilitate yearly inventory forecasting for network-based entities	US8010304B2	11/28/2007	8/30/2011
United States	Social news ranking using gossip distance	US7895284B2	11/29/2007	2/22/2011
United States	Social news ranking using gossip distance	US8370486B2	10/21/2011	2/5/2013
United States	Social news ranking using gossip distance	US8219631B2	11/16/2010	7/10/2012
United States	Enabling search on abbreviated search terms via messageing	US79666304B2	11/30/2007	6/21/2011
United States	Social news forwarding to generate interest clusters	US8676887B2	11/30/2007	3/18/2014
United States	Dynamic representation of group activity through reactive personas	US7895040B2	11/30/2007	2/22/2011
United States	E-commerce system using searchable tags	US7836248B2	12/3/2007	8/24/2010
United States	Adjusting stored query relevance data based on query term similarity	US9400843B2	12/4/2007	7/26/2016
United States	Time-based ordering of provided mobile content	US8812511B2	2/21/2012	8/19/2014
United States	Time-based ordering of provided mobile content	US8145643B2	12/4/2007	3/27/2012
United States	Call limiter for web services	US7908363B2	12/5/2007	3/15/2011
United States	Method and apparatus for computing graph similarity via signature similarity	US8019709B2	12/5/2007	9/13/2011
United States	Method and apparatus for computing graph similarity via signature similarity	US8880449B2	9/24/2008	11/4/2014
United States	Methods and apparatus for computing graph similarity via sequence similarity	US8417657B2	5/2/2011	4/9/2013
United States	Methods and apparatus for computing graph similarity via sequence similarity	US7996349B2	12/5/2007	8/9/2011
United States	Virtual billboard display on a mobile device	US10223711B2	6/23/2015	3/5/2019
United States	Virtual billboard display on a mobile device	US9064019B2	12/6/2007	6/23/2015
United States	Advertising associated with multimedia content	US10248956B2	12/10/2007	4/2/2019
United States	System and method for conditional delivery of messages	US10333886B2	10/26/2012	6/25/2019
United States	System and method for conditional delivery of messages	US8799371B2	9/24/2008	8/5/2014
United States	System and method for conditional delivery of messages	US8307029B2	12/10/2007	11/6/2012
United States	System and method for conditional delivery of messages	US10033688B2	8/14/2014	7/24/2018

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for contextual addressing of communications on a network	US0671154B2	12/10/2007	3/11/2014
United States	System and method for optimizing the reserve price and allocation of web page placements in an online keyword auction using generalized trade reduction	US7860754B2	12/10/2007	12/28/2010
United States	System and method for training a multi-class support vector machine to select a common subset of features for classifying objects	US7836000B2	12/10/2007	11/16/2010
United States	Unsupervised detection of web pages corresponding to a similarity class	US7941421B2	3/2/2010	5/10/2011
United States	Unsupervised detection of web pages corresponding to a similarity class	US7707220B2	12/12/2007	4/27/2010
United States	System and method for generating a classifier model for classifying web content	US7949622B2	12/13/2007	5/24/2011
United States	Mitigation of search engine hijacking	US7870131B2	12/13/2007	1/11/2011
United States	Reduction of annotations to extract structured web data	US0646360B2	12/13/2007	10/25/2011
United States	Segmentation of search topics in query logs	US0478737B2	12/10/2010	7/2/2013
United States	Method and apparatus for classifying and classifying polysemous word instances in web documents	US7917496B2	12/14/2007	3/29/2011
United States	Method and apparatus for discarding and classifying polysemous word instances in web documents	US7957957B2	12/14/2007	6/7/2011
United States	Method and apparatus for classifying polysemous word instances in web documents	US0135715B2	12/14/2007	3/13/2012
United States	Segmentation of search topics in query logs	US7873389B2	12/14/2007	1/25/2011
United States	Sharing of multimedia and relevance measures based on hop distance in a social network	US0260820B2	12/14/2007	9/4/2012
United States	Sharing of content and hop distance over a social network	US7954058B2	12/14/2007	5/31/2011
United States	Dynamic data reorganization to accommodate growth across replicated databases	US7958088B2	12/14/2007	6/7/2011
United States	System for opinion recognition	US7895140B2	12/17/2007	2/22/2011
United States	System and method for internet marketing by endorsements	US0219492B2	12/17/2007	7/10/2012
United States	Using user search behavior to plan online advertising campaigns	US0452768B2	12/17/2007	5/28/2013
United States	Methods for augmenting user generated content using a non-seizable feature	US10192244B2	12/23/2013	1/29/2019
United States	Method and apparatus for detecting and explaining bursty stream events in targeted groups	US0612409B2	12/18/2007	12/17/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Method and apparatus for detecting and explaining bursty stream events in targeted groups	US9053186B2	12/6/2013	6/9/2015
United-States	Methods for augmenting user-generated content using a nonactivable feature	US9655749B2	12/18/2007	2/18/2014
United-States	Pocket broadcasting for mobile media content	US9265612B2	12/18/2007	9/14/2012
United-States	Method and system for quantifying the quality of search results based on cohesion	US7720879B2	12/18/2007	5/18/2010
United-States	System and method for facilitating trusted recommendations	US9108239B2	12/19/2007	1/31/2012
United-States	Extracting semantic relations from query logs	US7895235B2	12/19/2007	2/22/2011
United-States	Using a bipartite graph to model and derive image and text associations	US9001139B2	12/20/2007	8/16/2011
United-States	DNS wildcard based on detecting client location and resolver load for global traffic load balancing	US9756340B2	12/20/2007	6/17/2014
United-States	DNS wildcard based on	US9577919B2	2/27/2014	2/24/2017
United-States	Method and system for monitoring rest web services	US9275855B2	12/20/2007	9/25/2012
United-States	Web service multi-key rate limiting method and system	US7844707B2	12/20/2007	11/30/2010
United-States	Expanding a query to include terms associated through visual content	US7882124B2	12/28/2007	2/4/2011
United-States	System and method for crawling ordering by search impact	US7899897B2	12/28/2007	3/14/2011
United-States	Systems and methods for presenting visualizations of media access patterns	US9599293B2	12/20/2007	12/9/2013
United-States	User verification and response	US9527623B2	12/24/2007	9/3/2013
United-States	Mobile click fraud prevention	US9799069B2	12/24/2007	8/5/2014
United-States	System and method for analyzing and ranking reviews with inferred analytics	US9495637B2	7/27/2011	11/15/2016
United-States	Media toolbar and aggregated/distributed media ecosystem	US9736216B2	12/26/2012	8/15/2017
United-States	Maintaining state transition data for a plurality of users, modeling, detecting, and predicting user states and behavior	US7941383B2	12/21/2007	5/10/2011
United-States	Method for determining network proximity for global traffic load balancing using passive-TCP performance instrumentation	US7962631B2	12/21/2007	6/14/2011
United-States	Media toolbar and aggregated/distributed media ecosystem	US9375131B2	12/21/2007	2/12/2013
United-States	Systems and methods of ranking attention	US7697408B2	12/21/2007	8/3/2010
United-States	System and method for analyzing and analyzing reviews with inferred analytics	US9032471B2	12/21/2007	10/4/2011

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Syndicating humor	US04201445B2	12/24/2007	4/23/2013
United-States	User-vibration-detection-and-response	US0832270B2	8/16/2013	9/9/2014
United-States	Using-product-and-social-network-data-to-improve-online-advertising	US0843406B2	12/27/2007	9/23/2014
United-States	System-and-method-for-adding-identity-to-web-rank	US0832069B2	12/4/2012	9/9/2014
United-States	System-and-method-for-generating-expertise-based-search-results	US0306965B2	11/9/2010	11/6/2012
United-States	System-and-method-for-generating-expertise-based-search-results	US7853583B2	12/27/2007	12/14/2010
United-States	System-and-method-for-adding-identity-to-web-rank	US0346750B2	10/27/2011	11/1/2013
United-States	System-and-method-for-adding-identity-to-web-rank	US78440548B2	12/27/2007	11/23/2010
United-States	System-and-method-for-annotation-and-ranking-of-reviews-personalized-to-prior-user-experience	US0364685B2	12/27/2007	11/29/2013
United-States	System-and-method-for-adding-identity-to-web-rank	US0051065B2	10/19/2010	11/11/2011
United-States	Method-and-apparatus-for-detecting-spam-user-created-content	US0095547B2	12/28/2007	11/0/2012
United-States	Creating-and-editing-media-objects-using-web-requests	US7840661B2	12/29/2007	11/23/2010
United-States	Determining-attention-data-using-DNS-information	US7949724B1	12/28/2007	5/24/2011
United-States	Method-of-creating-graph-structure-from-time-series-of-attention-data	US0046675B2	12/28/2007	10/25/2011
United-States	Method-of-creating-graph-structure-from-time-series-of-attention-data	US0621339B2	10/21/2011	12/31/2013
United-States	Maps-for-global-server-load-balancing-of-network-traffic-using-abstract-routing	US0073953B2	5/28/2010	12/6/2011
United-States	Hot-term-prediction-for-contextual-shortcuts	US0060455B2	12/31/2007	11/15/2011
United-States	System-and-method-of-feature-selection-for-text-classification-using-subspace-sampling	US0046317B2	12/31/2007	10/25/2011
United-States	Predicting-and-ranking-search-query-results	US7831595B2	12/31/2007	11/9/2010
United-States	Computerized-system-and-methods-of-mapping-attention-based-on-W4-data-related-to-a-user	US10311452B2	3/24/2017	6/4/2019
United-States	Computerized-system-and-method-for-generating-and-updating-a-map-user-interface	US10212539B2	7/3/2017	2/19/2019
United-States	Systems-and-methods-of-mapping-attention	US0626685B2	11/4/2008	4/18/2017
United-States	Interest-mapping-system	US0706345B2	11/4/2008	7/11/2017
United-States	Automatic-visual-segmentation-of-webpages	US0255793B2	11/9/2008	8/29/2012
United-States	Adapting-a-context-independent-relevance-function-for-identifying-relevant-search-results	US0775416B2	11/9/2008	7/8/2014

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Generating example data for testing database queries	US7805447B2	4/16/2008	9/28/2010
United States	Query identification and normalization for web search	US7974971B2	6/17/2010	7/5/2011
United States	Local query identification and normalization for web search	US7769746B2	4/16/2008	8/3/2010
United States	System and method for word of mouth advertising	US10074093B2	7/25/2008	9/11/2018
United States	Query processing for web search	US6296288B2	7/1/2011	10/23/2012
United States	Learning framework for online applications	US7996897B2	1/23/2008	8/9/2011
United States	Personalized ad delivery when ads fatigue	US7805429B2	4/29/2008	9/28/2010
United States	System and/or method for obtaining of user-generated content boxes	US8856097B2	1/30/2008	10/7/2014
United States	Apparatus and methods for tracking, querying, and visualizing behavior targeting processes	US7933884B2	1/30/2008	4/26/2011
United States	Learning query rewrite policies	US6005828B2	2/5/2008	8/23/2011
United States	Context-sensitive query expansion	US7831588B2	2/5/2008	11/9/2010
United States	Mobile marketing application	US6196095B2	2/5/2008	6/5/2012
United States	Power management for proximity-based ad hoc networks	US7822564B2	2/8/2008	10/26/2010
United States	Time-code validation and correction for proximity-based ad hoc networks	US9467808B2	6/6/2014	10/11/2016
United States	Time-code validation and correction for proximity-based ad hoc networks	US6756030B2	2/9/2008	6/17/2014
United States	Method and system for presenting targeted advertisements	US9773249B2	2/8/2008	9/26/2017
United States	Data sharing based on proximity-based ad hoc network	US8060018B2	2/8/2008	11/15/2011
United States	Location tracking based on proximity-based ad hoc network	US8045482B2	2/8/2008	10/25/2011
United States	Automated document classifier tuning including training set adaptive to user browsing behavior	US7797260B2	2/11/2008	9/14/2010
United States	Social-network search	US8195656B2	2/13/2008	6/5/2012
United States	Apparatus and methods for lossless compression of numerical attributes in rule-based systems	US6650144B2	2/14/2008	2/11/2014
United States	Efficient compression of applications	US8813041B2	2/14/2008	8/19/2014
United States	Search result abstract quality using community metadata	US6930376B2	2/15/2008	1/6/2015
United States	Systems and methods of predicting resource usefulness using universal resource locators including counting the number of times URL features occur in training data	US7908234B2	2/15/2008	3/15/2011

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for writing data dependent upon multiple records in a distributed database	US7895172B2	2/19/2008	2/22/2011
United States	Systems and methods for providing direct communication from personalized targeted advertisements	US8468049B2	2/19/2008	6/18/2013
United States	Method for generating forecasts and escapes	US8296177B2	2/19/2008	10/23/2012
United States	Identifying IP addresses for sponsors	US7849146B2	2/21/2008	12/7/2010
United States	Structured document and template identification for electronic documents	US8239387B2	2/22/2008	8/7/2012
United States	System for query scheduling to maximize work sharing	US7873888B2	2/25/2008	1/25/2011
United States	Prioritizing media assets for publication	US7860878B2	2/25/2008	12/28/2010
United States	Filter for blocking image based spam	US8055078B2	2/28/2008	11/8/2011
United States	System and/or method for personalization of searches	US8043313B2	2/28/2008	5/26/2015
United States	Method and apparatus for social network marketing with adweight referral	US8388118B2	3/3/2008	9/17/2013
United States	Method and apparatus for social network marketing with consumer referral	US8554623B2	3/3/2008	10/8/2013
United States	Method and apparatus for social network marketing with brand referral	US8560390B2	3/3/2008	10/15/2013
United States	Search query categorization into verticals	US7895206B2	3/5/2008	2/22/2011
United States	Navigational using a search engine and phonetic voice recognition	US8380512B2	3/10/2008	2/19/2013
United States	System and method for automatic detection of ready queries	US8312011B2	5/16/2011	11/13/2012
United States	System and method for automatic detection of ready queries	US7970760B2	3/11/2008	6/28/2011
United States	System method and/or apparatus for recording search results	US8412702B2	3/12/2008	4/2/2013
United States	Personalizing sponsored search advertising layout using user behavior history	US8762364B2	3/18/2008	6/24/2014
United States	Graphical rating conversion	US8170340B2	3/18/2008	5/1/2012
United States	System and method for detecting human judgment drift and variation control	US8005775B2	3/18/2008	8/23/2011
United States	Classifying content resources using structured patterns	US8005862B2	3/20/2008	8/23/2011
United States	Using embedded metadata to improve search result presentation	US8135707B2	3/27/2008	3/13/2012
United States	Search engine configured to minimize performance degradation under high load	US8108340B2	3/28/2008	1/31/2012

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Method for segmenting webpages by parsing webpages into document object-modules (DOMs) and creating weighted graphs	US7974934B2	3/28/2008	7/5/2011
United-States	System and method for adding session cookies to webpages	US8589486B2	3/29/2008	11/19/2013
United-States	System and method for optimizing the storage of data	US8745133B2	3/28/2008	6/3/2014
United-States	Extending media annotations using collective knowledge	US8429176B2	3/28/2008	4/23/2013
United-States	System for providing mobile advertisement actions	US80373201B2	9/7/2017	8/6/2019
United-States	System for providing mobile advertisement actions	US9785970B2	12/30/2013	10/10/2017
United-States	Learning ranking functions in order to rank items in a regression framework for information retrieval and ranking	US7949076B2	3/31/2008	12/7/2010
United-States	Information retrieval and ranking information retrieval and navigation	US9798886B2	3/31/2008	10/24/2017
United-States	Learning ranking functions in order to rank items in a regression framework for information retrieval and ranking	US8051072B2	3/31/2008	11/14/2011
United-States	System for providing mobile advertisement actions	US8644808B2	3/31/2008	2/4/2014
United-States	Cross-domain matching system	US9477747B2	3/31/2008	10/25/2016
United-States	Ranking advertisements with pseudo relevance feedback and transition models	US9411886B2	3/31/2008	8/9/2016
United-States	System and method for modeling relationships between entities	US8386499B2	8/20/2012	2/26/2013
United-States	System and method for modeling relationships between entities	US9020960B2	2/26/2013	4/28/2015
United-States	Access to trusted user-generated content using social networks	US8250096B2	3/31/2008	8/21/2012
United-States	System and method for modeling relationships between entities	US8271506B2	3/31/2008	9/18/2012
United-States	System and method for providing dynamically updating applications in a television display environment	US9179086B2	4/4/2008	11/3/2015
United-States	Local map chat	US8312380B2	4/4/2008	11/13/2012
United-States	Method and system for comparing effects of video views on internet searches	US8374913B2	4/7/2008	2/12/2013
United-States	System and method for detecting templates of a website using hyperlink analysis	US7962523B2	4/14/2008	6/14/2011
United-States	System and/or method for bulk loading of records into an ordered distributed database	US8893131B2	4/14/2008	11/18/2014
United-States	Abbreviation handling in web search	US8204874B2	9/17/2010	6/19/2012
United-States	Abbreviation handling in web search	US7809715B2	4/15/2008	10/5/2010

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-method-for-trail-identification-with-search-results	US9754044B2	9/25/2013	9/5/2017
United-States	System-and-method-for-trail-identification-with-search-results	US8589305B2	4/15/2008	11/19/2013
United-States	Normalizing query-words-in-web-search	US8010547B2	4/15/2008	8/30/2011
United-States	Identifying superphrases of text strings	US8655902B2	12/7/2011	2/18/2014
United-States	Identifying superphrases of text strings	US8095540B2	4/16/2008	1/10/2012
United-States	System-and-method-for-providing-image-labeling-game-using-CBIR	US7962468B2	4/17/2008	6/14/2011
United-States	System-and-method-for-accelerating editorial processes for unsafe content-labeling-using-CBIR	US8037079B2	4/17/2008	10/11/2011
United-States	Ranking-using-word-overlap-and-correlation-features	US8918328B2	4/18/2008	12/23/2014
United-States	System-and-method-for-classifying-tags-of-content-using-a-hyperlinked corpus-of-classified-web-pages	US8046361B2	4/18/2008	10/25/2011
United-States	Method-of-registering-advertisements-on-an-electronic-map	US9747602B2	4/21/2008	8/29/2017
United-States	Trail-based exploration of a repository of documents	US8001111B2	5/8/2008	8/16/2011
United-States	Trail-based exploration of a repository of documents	US8051068B2	4/21/2008	11/14/2011
United-States	Method-and-system-for-retrieving-and-organizing-web-media	US7953779B2	4/25/2008	5/31/2011
United-States	Search-query-scoring-and-popularity-monitoring-and-systems-and-methods-therefor	US817896B2	4/28/2008	11/14/2017
United-States	Discovery-of-friends-using-social-network-graph-properties	US8744976B2	4/28/2008	6/3/2014
United-States	Method-and-apparatus-for-rating-user-generated-content-in-search results	US7949643B2	4/29/2008	5/24/2011
United-States	Method-and-apparatus-for-rating-user-generated-content-in-search results	US8290927B2	4/19/2011	10/16/2012
United-States	Ranking-documents-through-contentual-shortcuts	US9135328B2	4/30/2008	9/15/2015
United-States	Modification-of-brand-representations-by-a-brand-engine-in-a-social network	US9058699B2	4/30/2008	6/16/2015
United-States	Modification-of-content-representation-by-a-brand-engine-in-a-social network	US9262764B2	4/30/2008	2/16/2016
United-States	Adaptive-user-feedback-window	US8332775B2	4/30/2008	12/11/2012
United-States	Generating-document-templates-that-are-robust-to-structural-variations	US7668942B2	5/2/2008	2/23/2010
United-States	Algorithmically-generated-topic-pages	US9798807B2	5/6/2008	10/24/2017
United-States	Automated-tagging-of-documents	US8156053B2	5/9/2008	4/10/2012

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for web ad matching	US0824124B2	12/12/2013	11/21/2017
United States	Method, apparatus and computer-readable medium for indexing advertisements to combine relevance with consumer click feedback	US0725752B2	3/7/2012	5/13/2014
United States	Authentication detection	US0353008B2	5/19/2008	1/8/2013
United States	Distributed program filtering utilizing a plurality of global classifiers and a local classifier	US0108323B2	5/19/2008	1/31/2012
United States	System and method for automatically ranking lines of text	US0005845B2	5/20/2008	8/23/2011
United States	Virtual billboards	US0711176B2	5/22/2008	4/20/2014
United States	Real-time expert dialog service	US7974940B2	5/22/2008	7/5/2011
United States	Federation and interoperability between social networks	US0886817B2	5/22/2008	11/11/2014
United States	Automatic ad group creation in a networked advertising environment	US0505097B2	5/30/2008	11/26/2013
United States	Application navigation	US0171429B2	5/30/2008	5/14/2012
United States	System and method for delivery of augmented messages	US0166124B2	4/4/2011	4/24/2012
United States	System and method for delivery of augmented messages	US7925708B2	6/2/2008	4/12/2011
United States	Contextual ranking of keywords using click data	US0051080B2	6/3/2008	11/14/2011
United States	Indexed indices in information extraction to improve records extracted per annotation	US0105444B2	6/6/2008	8/30/2011
United States	Identifying regional sensitive queries in web search	US7949672B2	6/10/2008	5/24/2011
United States	System and/or method for balancing allocation of data among reduce processes by reallocation	US0726290B2	6/12/2008	5/13/2014
United States	Creation and enrichment of search based taxonomy for finding information from semistructured data	US0126908B2	6/18/2008	2/28/2012
United States	Methods and apparatuses for adapting a ranking function of a search engine for use with a specific domain	US0126839B2	6/19/2008	2/28/2012
United States	Mobile imaging device as navigator	US0478000B2	10/3/2011	7/2/2013
United States	Mobile imaging device as navigator	US0798323B2	8/8/2012	8/5/2014
United States	Adaptive materialized view selection for databases	US7921103B2	6/20/2008	4/5/2011
United States	Mobile imaging device as navigator	US0807498B2	2/11/2013	11/25/2014
United States	Mobile imaging device as navigator	US0098944B2	6/20/2008	11/17/2012
United States	Assigning human-understandable labels to web pages	US0185528B2	6/23/2008	5/22/2012
United States	Automated friend finder	US0027931B2	6/26/2008	9/27/2011

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-method-for-determination-and-display-of-personalized distance	US9222780B2	12/31/2013	12/29/2015
United-States	Systems-and-methods-for-tokenizing-and-interpreting-uniform-resource locators	US8001106B2	6/27/2008	8/16/2011
United-States	System-and-method-for-determination-and-display-of-personalized distance	US8706406B2	6/27/2008	4/22/2014
United-States	Systems-and-method-for-determination-and-display-of-personalized distance	US9574899B2	11/30/2015	2/24/2017
United-States	System-and-method-for-location-based-media-delivery	US8813187B2	6/27/2008	8/19/2014
United-States	Compiler-based-code-modification-for-use-in-document-ranking	US8621424B2	6/30/2008	12/31/2013
United-States	Analysis-of-database-performance-reports-for-graphical-presentation-of summary-results	US8156421B2	6/30/2008	4/10/2012
United-States	prefetching data for document ranking	US8458170B2	6/30/2008	6/4/2013
United-States	Automated system-and-method-for-creating-a-content-rich-site-based-on an-emerging-subject-of-interest-search	US9271474B2	6/30/2008	9/18/2012
United-States	Forecasting-association-rules-across-user-engagement-levels	US9170974B2	7/7/2008	5/14/2012
United-States	Real-time-detection-of-parking-space-availability	US7893847B2	7/9/2008	2/22/2011
United-States	Systems-and-methods-for-query-expansion-in-sponsored-search	US8521731B2	7/9/2008	8/27/2013
United-States	Operations-of-multi-level-nested-data-structure	US8078638B2	7/9/2008	12/13/2011
United-States	Operations-on-multi-level-nested-data-structure	US8078645B2	7/9/2008	12/13/2011
United-States	Anti-spam-profile-clustering-based-on-user-behavior	US9554847B2	7/15/2008	10/8/2013
United-States	Method-and-apparatus-for-sharing-concurrent-ad-hoc-web-content between-users-visiting-the-same-web-pages	US9009228B2	1/13/2012	4/14/2015
United-States	Method-and-apparatus-for-sharing-concurrent-ad-hoc-web-content between-users-visiting-the-same-web-pages	US8099463B2	7/16/2008	1/17/2012
United-States	Virtual-notes-in-a-reality-overlay	US9191238B2	7/23/2008	11/17/2015
United-States	Virtual-notes-in-a-reality-overlay	US9288079B2	1/27/2012	3/15/2016
United-States	Decision tree-coalescing-for-document-ranking	US8065242B2	7/23/2008	11/22/2011
United-States	Tokenization-platform	US9195738B2	8/13/2012	11/24/2015
United-States	Tokenization-platform	US83014437B2	7/24/2008	10/30/2012
United-States	Techniques-for-visual-representation-of-user-activity-associated-with-an information-resource	US8210916B2	7/25/2008	7/10/2012

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Techniques for generating a visual representation of user activity associated with an information resource	US0141236B2	4/10/2012	8/18/2015
United States	Federated community search	US10025955B2	7/19/2008	7/17/2018
United States	Region and duration uniform resource identifiers (URL) for media objects	US0867008B2	7/29/2008	12/27/2011
United States	Building a research document based on implicit/explicit actions	US0361375B2	7/29/2008	6/7/2016
United States	Research tool access based on research session detection	US0832098B2	7/29/2008	9/9/2014
United States	System and method for improving and routing	US10230903B2	7/30/2008	3/12/2019
United States	System and method for content enhanced mapping	US10133458B2	12/29/2014	11/20/2018
United States	System and method for content enhanced mapping	US0959100B2	11/11/2013	2/17/2015
United States	System and method for content enhanced mapping	US0583668B2	7/30/2008	11/12/2013
United States	Bandwidth and cost management for ad hoc networks	US7792040B2	7/30/2008	9/7/2010
United States	Automatic updating of content included in research documents	US0775465B2	7/30/2008	7/8/2014
United States	System and method for loading records into a partitioned database table	US0051032B2	7/31/2008	11/14/2011
United States	Framework to evaluate content display policies	US0504558B2	7/31/2008	8/6/2013
United States	Classifying documents using implicit feedback and query patterns	US0645369B2	7/31/2008	2/4/2014
United States	Systems and methods for determining a tag match ratio	US0024342B2	7/31/2008	9/20/2011
United States	Method and system for displaying online advertisements	US0280770B2	12/21/2011	3/8/2016
United States	Method and system for displaying online advertisements	US0398458B2	8/6/2008	5/2/2017
United States	Interconnected universal search experience across multiple verticals	US0489582B2	8/6/2008	7/16/2013
United States	Content based search arrangement for mobile devices	US0367618B2	8/7/2008	6/14/2016
United States	Window overlay for online collaboration platform	US0608288B2	8/8/2008	11/15/2011
United States	Facilitated search for online collaboration platform	US0606200B2	8/8/2008	8/23/2011
United States	Notification controls for online collaboration platform	US0608232B2	8/8/2008	11/15/2011
United States	System and method for combating phishing	US0528079B2	11/12/2008	9/3/2013
United States	System and method for compiling a set of domain names to recover	US0499032B2	8/14/2008	7/30/2013
United States	Online batch execution	US0181178B2	8/14/2008	5/15/2012
United States	Generating subernet titles for web URLs	US0346754B2	8/19/2008	1/4/2013
United States	Measuring topical coherence of keyword sets	US7577652B1	9/23/2008	8/18/2009
United States	Measuring topical coherence of keyword sets	US0577930B2	8/20/2008	11/5/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Advertising in an online communication	US6700609B2	8/20/2008	4/15/2014
United States	Information sharing in an online communication	US6719258B2	8/20/2008	5/6/2014
United States	System and method for content enhancement messaging	US6886506B2	8/24/2008	2/26/2013
United States	System and method for assisting search requests with vertical suggestions	US6810537B2	8/27/2008	8/30/2011
United States	Embeddable web application agent	US6820070B2	8/28/2008	4/28/2015
United States	Generation of search result abstracts	US6884398B2	8/29/2008	3/17/2015
United States	Delivering partially processed results based on system metrics in network content delivery systems	US6819899B2	8/28/2008	9/13/2011
United States	Performing large-scale structured search allowing partial schema changes without system downtime	US6290023B2	9/5/2008	10/16/2012
United States	Presence-independent communication methodology	US7689658B1	9/12/2008	3/30/2010
United States	Restoring program information for clips of broadcast programs shared online	US6036717B2	8/31/2012	5/19/2015
United States	Restoring program information for clips of broadcast programs shared online	US9424349B2	5/18/2015	8/23/2016
United States	Restoring program information for clips of broadcast programs shared online	US6295363B2	9/15/2008	10/23/2012
United States	Efficient data layout techniques for fast machine-learning based document ranking	US6533129B2	9/16/2008	9/10/2013
United States	System and method for detecting internet bots	US6433785B2	9/16/2008	4/30/2013
United States	Apparatus, method, and apparatus for managing scalable and traceable exchanges of content between advertisers and publishers for mobile devices	US6391798B2	9/16/2008	3/5/2013
United States	Method and apparatus for advertising a bidding language for online advertising	US6527353B2	9/16/2008	9/3/2013
United States	System and method for distributing media related to a location	US6281027B2	9/19/2008	10/2/2012
United States	System and method for distributing media related to a location	US6856375B2	9/14/2012	10/7/2014
United States	System and method for ranking search results using social information	US7966325B2	9/24/2008	6/21/2011
United States	Time-tagged metadata information and content display method and system	US6856641B2	9/24/2008	10/7/2014
United States	Optimization filters for user generated content searches	US6793249B2	9/24/2008	7/29/2014
United States	Automated tagging of objects in databases	US6407216B2	9/25/2008	3/26/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Associating objects in databases by rate-based tagging	US6743009B2	9/25/2008	4/20/2014
United-States	Integration of open advertisements with e-commerce activities	US6374948B2	9/26/2008	2/12/2013
United-States	Estimating on-line advertising inventory value based on content eligibility information	US6388005B2	9/29/2008	9/17/2013
United-States	Community-based networking	US6108481B2	9/29/2008	1/31/2012
United-States	Classification and analysis of spam detection and reduction	US7809824B2	9/29/2008	10/5/2010
United-States	Query refinement based on user selection	US6819003B2	4/23/2013	8/26/2014
United-States	System and method for detecting user interaction patterns based on limited activities	US6740986B2	9/30/2008	8/22/2017
United-States	Content access and annotation system and method	US6504587B2	9/30/2008	8/6/2013
United-States	Age-targeted online marketing using inferred age information	US6996844B2	9/30/2008	6/12/2018
United-States	Click-through rate prediction system and method	US6873843B2	9/30/2008	5/27/2014
United-States	Decomposition used to generate dynamic data driven advertisements	US7941340B2	9/30/2008	5/10/2011
United-States	System for optimizing ad performance at campaign running time	US6645205B2	9/30/2008	2/4/2014
United-States	System and method for reporting and analysis of media consumption data	US6600484B2	9/30/2008	3/21/2017
United-States	Consensus-based reliable messaging	US6005917B2	9/30/2008	8/23/2011
United-States	Query refinement based on user selections	US6452793B2	9/30/2008	5/28/2013
United-States	Query-log mining for detecting spam hosts	US6996622B2	9/30/2008	3/31/2015
United-States	Method and system for verifying a recipient of a communication	US7945630B2	9/30/2008	5/17/2011
United-States	System and method for content enhanced mapping within a user interface	US6108778B2	9/30/2008	1/31/2012
United-States	System and method for content enhanced mapping within a user interface	US6026917B2	10/11/2011	5/5/2015
United-States	Demand forecasting system and method for online advertisements	US6321280B2	10/14/2008	11/27/2012
United-States	Interactive system for internet information retrieval and exploration	US6719292B2	10/7/2008	5/6/2014
United-States	Context-sensitive user group communications	US6990277B2	12/2/2013	2/20/2018
United-States	System and method for maintaining context-sensitive user groups	US6601377B2	10/9/2008	12/3/2013
United-States	Detection of undesirable web pages	US7974970B2	10/9/2008	7/5/2011
United-States	System and method for content access control	US6607096B2	6/23/2014	3/28/2017

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-method-for-content-access-control	US6763087B2	10/09/2008	6/24/2014
United-States	Method-and-system-for-providing-customized-regional-maps	US6336605B2	10/13/2008	5/10/2016
United-States	System-for-automatically-resizing-queries	US6604173B2	2/09/2009	10/18/2011
United-States	System-and-methodology-for-a-multi-site-search-engine	US6995545B2	10/14/2008	1/10/2012
United-States	Phishing-abuse-recognition-in-web-pages	US6433141B2	5/21/2012	4/30/2013
United-States	Phishing-abuse-recognition-in-web-pages	US6189924B2	10/15/2008	5/29/2012
United-States	Reconfiguring-reality-using-a-reality-overlay-device	US6480910B2	10/24/2008	11/1/2016
United-States	Digital-image-retrieval-by-aggregating-search-results-based-on-visual-annotations	US7962500B2	10/24/2008	6/14/2011
United-States	Methods-for-improving-the-diversity-of-image-search-results	US6171043B2	10/24/2008	5/1/2012
United-States	Method-and-apparatus-for-estimating-the-size-of-rendered-text	US6037410B2	10/27/2008	10/11/2011
United-States	Scalable-firewall-policy-management-platform	US6146134B2	10/28/2008	3/27/2012
United-States	Scalable-firewall-policy-management-platform	US6763074B2	2/16/2012	6/24/2014
United-States	Video-comparing-using-finger-print-representations	US6433175B2	10/28/2008	4/30/2013
United-States	Automated-user-segment-selection-for-delivery-of-online-advertisements	US6234166B2	10/29/2008	7/31/2012
United-States	System-and-method-for-forecasting-an-inventory-of-online-advertisements	US6311882B2	10/30/2008	11/13/2012
United-States	Gross-network-social-networking-application-architecture	US6836798B2	10/30/2008	12/5/2017
United-States	System-and-method-for-pricing-of-overlapping-impression-pools-of-online-advertisements-impressions-for-advertising-demand	US6224692B2	10/31/2008	7/17/2012
United-States	System-and-method-for-generating-an-online-summary-of-a-collection-of-documents	US6037053B2	10/31/2008	10/11/2011
United-States	Virtual-environment-spawning-desktop-and-cloud	US6965842B2	7/15/2014	2/24/2015
United-States	Adaptive-weighted-crawling-of-user-activity-feeds	US6468158B2	11/6/2008	6/18/2013
United-States	Virtual-environment-spawning-desktop-and-cloud	US6838527B2	11/6/2008	9/16/2014
United-States	Enhanced-matching-through-explore/exploit-schemes	US6560293B2	8/8/2012	10/15/2013
United-States	Enhanced-matching-through-explore/exploit-schemes	US6244517B2	11/7/2008	8/14/2012
United-States	Exploring-large-textual-data-sets-via-interactive-aggregation	US6732160B2	11/11/2008	5/20/2014
United-States	Single-use-web-based-passwords-for-network-login	US6365267B2	11/13/2008	1/29/2013
United-States	Automatic-local-listing-owner-authentication-system	US6353018B2	11/13/2008	1/8/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Dynamic-feature-weighting	US10210170B2	11/18/2008	2/19/2019
United States	Click-model-for-search-ranking	US8671093B2	11/18/2008	3/11/2014
United States	System-and-method-for-determining-relevance-from-URL-based-content-queries	US8400987B2	9/19/2011	7/26/2016
United States	Efficient-caching-for-dynamic-web-service-queries-cacheable-fragments	US7962502B2	11/18/2008	6/14/2011
United States	System-and-method-for-data-privacy-in-URL-based-content-queries	US8805123B2	11/18/2008	10/31/2017
United States	System-and-method-for-generation-of-URL-based-content-queries	US8060492B2	11/18/2008	11/15/2011
United States	System-and-method-for-determining-relevance-from-URL-based-content-queries	US8024317B2	11/18/2008	9/20/2011
United States	Computerized-systems-and-methods-for-generating-a-dynamic-web-page-based-on-retrieved-content	US9971842B2	6/23/2016	5/15/2018
United States	Efficient-caching-for-dynamic-web-service-queries-cacheable-fragments	US8386507B2	5/11/2011	2/26/2013
United States	System-and-method-for-URL-based-queries-for-retrieving-data-related-to-a-content	US8832508B2	11/18/2008	10/4/2011
United States	Method-and-system-for-generating-a-hyperlink-click-graph	US7945565B2	11/20/2008	5/17/2011
United States	Clustering-image-search-results-through-a-weighted-relevance-election	US8112428B2	11/24/2008	2/7/2012
United States	Identifying-and-explaining-implicit-temporality-qualified-queries	US8156111B2	11/24/2008	4/10/2012
United States	Method-and-apparatus-for-organizing-digital-photo-graphs	US9110927B2	11/25/2008	8/18/2015
United States	Method-for-storing-bookmarks-for-search-results-from-previously-submitted-search-queries-by-a-user-and-storing-links-to-selected documents-by-the-user	US8868551B2	9/14/2012	10/21/2014
United States	Method-for-storing-bookmarks-for-search-results-from-previously-submitted-search-queries-by-a-user-and-storing-links-to-selected documents-by-the-user	US9290944B2	11/25/2008	10/16/2012
United States	Lighting-search-aggregate	US9594835B2	11/25/2008	3/14/2017
United States	Navigation-assistance-for-search-engines	US8484184B2	4/27/2011	7/9/2013
United States	Distribution-data-items-within-geographic-databases	US8495021B2	11/26/2008	7/23/2013
United States	Navigation-assistance-for-search-engines	US7949647B2	11/26/2008	5/24/2011
United States	System-and-method-for-content-based-queries-aggregation	US8561678B2	10/3/2011	10/7/2014
United States	System-and-method-for-content-based-queries-aggregation	US8055675B2	12/5/2008	11/8/2011
United States	Determining-related-keywords-based-on-lifestream-feeds	US8515988B2	11/4/2012	8/20/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Determining-related-keywords based-on-lifecream-feeds	US9142393B2	12/5/2008	2/7/2012
United-States	System-and-method-for-tagging-operations	US8682842B2	12/9/2008	3/25/2014
United-States	Rules-and-method-for-improving-image-search-relevance-through-gammas	US8296305B2	12/9/2008	10/23/2012
United-States	Minimg broad-tidder-query-aspects-from-user-search-sessions	US9305051B2	12/10/2008	4/5/2016
United-States	System-and-method-for-in-context-exploration-of-search-results	US9489420B2	2/29/2016	11/8/2016
United-States	System-and-method-for-in-context-exploration-of-search-results	US9317602B2	12/11/2008	4/19/2016
United-States	System-and-method-for-a-data-driven-meta-variation-mechanism-for-sponsored-search	US8484094B2	7/30/2012	7/9/2013
United-States	System-and-method-for-a-data-driven-meta-variation-mechanism-for-sponsored-search	US8260680B2	12/18/2008	9/4/2012
United-States	System-and-method-for-automated-service-recommendations	US8166016B2	12/19/2008	4/24/2012
United-States	Conversion-and-query-for-data-dropper-on-web-sites	US8413063B2	1/13/2009	4/2/2013
United-States	Conversion-service-for-data-dropper-on-web-sites	US8504931B2	12/19/2008	8/6/2013
United-States	Method-and-system-for-detecting-image-spam	US8731284B2	12/19/2008	5/20/2014
United-States	System-and-method-of-gate-based-prediction-in-search-result-selection	US8352466B2	12/22/2008	1/8/2013
United-States	System-and-method-for-improved-classification	US8639780B2	12/22/2008	5/2/2017
United-States	Content-transfer-in-search-advertising	US8886636B2	12/23/2008	11/11/2014
United-States	System-and-method-for-dynamically-monetizing-keyword-values	US8069160B2	12/24/2008	11/29/2011
United-States	Rapid-iterative-development-of-classifiers	US8497908B2	12/24/2008	9/30/2014
United-States	Robust-wrappers-for-web-extraction	US8762820B2	12/24/2008	6/24/2014
United-States	Optimal-stochastic-averages-for-consistent-sponsored-search	US8051062B2	12/24/2008	11/11/2011
United-States	Method-and-system-for-determining-rear-duplicate-images	US8213723B2	12/29/2008	7/3/2012
United-States	Image-segmentation	US8682072B2	12/30/2008	3/25/2014
United-States	Slide-show-wide-file-detection	US8498978B2	12/30/2008	7/30/2013
United-States	Augmenting-online-content-with-additional-content-relevant-to-user-interest	US9152722B2	12/31/2008	10/6/2015
United-States	Secure-browser-based-applications	US8635701B2	1/7/2009	1/21/2014
United-States	Large-scale-behavioral-targeting-for-advertising-over-a-network	US8150723B2	1/9/2009	4/3/2012
United-States	Optimization-of-map-views-based-on-real-time-data	US10209079B2	1/13/2009	2/19/2019

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Media-object metadata engine configured to determine relationships between persons	US08031276B2	4/13/2009	9/9/2014
United States	Dynamic domain calculation using captured data of real-life objects	US08260666B2	4/14/2009	9/4/2012
United States	Scalable semi-structured named entity detection	US08073877B2	4/20/2009	12/6/2011
United States	Web-hosted framework for mobile applications	US08083791B2	4/22/2009	7/14/2015
United States	Selection for a mobile device using weighted virtual titles	US7693907B1	4/22/2009	4/6/2010
United States	Network aggregator	US0804040B2	10/16/2014	2/13/2018
United States	Network aggregator	US0809256B2	4/23/2009	10/21/2014
United States	System and method for calculating a just-in-time reputation score	US08266158B2	4/20/2009	9/11/2012
United States	System and method for common search	US10275530B2	2/2/2009	4/30/2019
United States	Protecting privacy of shared personal information	US0364969B2	2/2/2009	4/29/2013
United States	Automated search	US0902840B2	6/3/2013	4/7/2015
United States	Automated search	US0458177B2	2/2/2009	6/4/2013
United States	Protecting privacy of shared personal information	US0752196B2	1/4/2013	6/10/2014
United States	Rare-query expansion by web-feature matching	US0676827B2	2/4/2009	3/18/2014
United States	Intent-driven search result abstractions	US7958109B2	2/6/2009	6/7/2011
United States	Predicting the outcome of events based on related internet activity	US0209277B2	2/9/2009	6/26/2012
United States	Categorizing queries and expanding keywords with a coreference graph	US0841729B2	2/20/2009	10/18/2011
United States	Method and system for querying user interactions with web advertisements	US0812362B2	2/20/2009	8/19/2014
United States	Algorithmically generated topic pages with interactive advertisements	US0700630B2	2/24/2009	4/15/2014
United States	Edge attribute aggregation in a directed graph	US0895560B2	2/26/2009	4/10/2012
United States	Smart recovery of asynchronous processes	US7984330B2	2/27/2009	7/19/2011
United States	Automatic page layout validation	US0340408B2	2/27/2009	12/25/2012
United States	System and method for composite record keys ordered in a flat-key space for a distributed database	US0827961B2	2/27/2009	9/27/2011
United States	Optimized search result columns on search results pages	US08109746B2	3/2/2009	9/13/2011
United States	Method and system for web searching	US0934315B2	10/24/2016	4/3/2018
United States	Optimized search result columns on search results pages	US0306966B2	8/9/2011	11/6/2012
United States	Personalized search results utilizing previously navigated web sites	US0477763B2	3/2/2009	10/25/2016

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Apparatus and methods for processor training in information extraction	US6442652B2	3/4/2009	4/2/2013
United States	Bid-gateway architecture for an online advertisement bidding system	US6135626B2	3/5/2009	3/13/2012
United States	Diversifying recommendation results through explanation	US6350280B2	3/12/2009	1/22/2013
United States	Content based networking	US6700648B2	3/16/2009	4/15/2014
United States	Sponsored search results re-ranking based on linking associations	US6429157B2	10/5/2011	4/23/2013
United States	Sponsored search results re-ranking based on linking associations	US6041715B2	3/24/2009	10/18/2011
United States	Computer based location identification using images	US6020520B2	7/8/2013	4/28/2015
United States	Computer based location identification using images	US6483715B2	3/26/2009	7/9/2013
United States	System and method for conducting a profile based search	US6519716B2	3/31/2009	12/13/2016
United States	Determining user preference of items based on user ratings and user features	US6301624B2	3/31/2009	10/30/2012
United States	Determining user preference of items based on user ratings and user features	US6909626B2	10/25/2012	12/9/2014
United States	Automated screen scraping via grammar induction	US6838625B2	4/3/2009	9/16/2014
United States	Method of manufacturing a wiring board	US6286341B2	4/8/2009	10/16/2012
United States	Constructing a data pipeline having scalability and low latency	US9723099B2	4/14/2009	8/1/2017
United States	Subject based vitality	US10282373B2	4/17/2009	5/7/2019
United States	Cold-row encapsulation for server farm cooling system	US10117362B2	11/24/2015	10/30/2018
United States	Cold-row encapsulation for server farm cooling system	US10212858B2	4/21/2009	2/19/2019
United States	Personalized web search ranking	US6032535B2	4/21/2009	10/4/2011
United States	Interacting with internet servers without keyboard	US6613047B2	4/21/2009	12/17/2013
United States	Cold-row encapsulation for server farm cooling system	US7809900B1	4/21/2009	9/21/2010
United States	Cold-row encapsulation for server farm cooling system	US6204577B2	5/27/2014	12/1/2015
United States	Cold-row encapsulation for server farm cooling system	US6755182B2	9/26/2011	6/17/2014
United States	Cold-row encapsulation for server farm cooling system	US6054625B2	4/21/2009	11/8/2011
United States	Best-fit map searching	US6060510B2	4/29/2009	11/15/2011
United States	A-Computerized System And Method For Dynamically Determining A Replacement Item For A Provided Item Via A Web-based Application	US12434575	5/1/2009	
United States	COMPUTERIZED SYSTEM AND METHOD FOR PROVIDING AN AUTOMATICALLY UPDATABLE WEB-BASED APPLICATION INTERFACE	US12434580	5/1/2009	

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Content-summary-and-segment-creation	US03860935B2	5/6/2009	2/26/2013
United States	Circuit-module-and-method-of-manufacturing-the-same	US0107324B2	4/4/2014	8/14/2015
United States	Circuit-module-and-method-of-manufacturing-the-same	US0609233B2	5/11/2009	4/15/2014
United States	Circuit-module-and-method-of-manufacturing-the-same	US0324647B2	8/10/2015	4/26/2016
United States	Circuit-module-and-method-of-manufacturing-the-same	US0883587B2	3/30/2016	1/30/2018
United States	Systems-and-methods-for-generating-a-web-page-based-on-search-term popularity-data	US0965869B2	5/13/2009	2/24/2015
United States	Computerized-system-and-method-for-displaying-a-map-system-user interface-and-digital-content	US10282752B2	5/15/2009	5/7/2019
United States	Open-theme-builder-and-API	US0302828B2	5/20/2009	3/5/2013
United States	Collection-and-use-of-fine-grained-user-behavior-data	US10134044B1	5/26/2009	11/20/2018
United States	System-for-packaging-native-program-extensions-together-with-virtual machine-applications	US0607224B2	5/28/2009	12/10/2013
United States	Open-search-assist	US0825691B2	6/3/2009	9/2/2014
United States	Graph-based-select-methods-for-web-crawlers	US0484180B2	6/3/2009	7/9/2013
United States	All-in-one-chinese-character-input-method	US0104244B2	6/5/2009	8/11/2015
United States	System-and-method-for-offline-data-generation-for-online-system analysis	US0321873B2	6/9/2009	11/27/2012
United States	System-and-method-for-development-of-search-servers-metrics	US0824336B2	6/9/2009	9/20/2011
United States	Media-identification-system-with-fingerprint-database-balanced acceleration-to-search-limits	US0713068B2	6/11/2009	4/29/2014
United States	Media-identification-system-with-fingerprint-database-balanced acceleration-to-search-limits	US0202514B2	4/24/2014	3/22/2016
United States	User-location-dependent-DNS-lookup	US0605798B2	6/12/2009	11/15/2011
United States	Dynamic-access-control-lists	US0270679B2	6/23/2009	2/23/2016
United States	Operating-systems-for-rendering-marketplace	US10296937B2	6/29/2009	5/21/2019
United States	Entropy-based-mixing-and-personalization	US0533202B2	7/7/2009	9/10/2013
United States	Entropy-based-mixing-and-personalization	US0015170B2	9/6/2013	4/21/2015
United States	Activity-based-user-interests-modeling-for-determining-content relevance	US06124435B2	7/16/2009	12/17/2013
United States	Efficient-algorithms-for-pairwise-preference-learning	US0280820B2	7/16/2009	10/2/2012

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Multi-chip package and method of manufacturing method	US6650134B2	7/24/2009	2/25/2014
United States	Research results based on user customizable criteria	US6744978B2	7/24/2009	6/3/2014
United States	Customizing and storing web pages for mobile on web	US7627648B1	7/23/2009	12/4/2009
United States	Mixing keyword sources with user learning for improved entity extraction	US6499008B2	7/24/2009	7/30/2013
United States	Concrete traversal of multiple binary trees	US6078642B1	7/24/2009	12/13/2011
United States	Supplementing a traced using incremental data in tracking item recognition devices	US6762310B2	9/14/2012	6/24/2014
United States	Image similarity from disparate sources	US6384214B2	7/31/2009	7/5/2016
United States	Supplementing a traced model using incremental data in tracking item recognition devices	US6326777B2	7/31/2009	12/4/2012
United States	System and method for internet driven search result presentation	US6341157B2	7/31/2009	12/25/2012
United States	Information similarity and related statistical techniques for use in distributed computing environments	US6914316B2	8/3/2009	12/16/2014
United States	Taxonomy driven lumping for sequence mining	US6346686B2	8/3/2009	1/4/2013
United States	Methods and devices for content management	US6607338B2	8/4/2009	12/10/2013
United States	System and method for verified annotation of commercial comparisons	US62223701B2	8/6/2009	3/5/2019
United States	System for personalized term expansion and recommendation	US6370286B2	8/6/2009	2/5/2013
United States	Automotive classification of segments of web pages	US55144216B2	9/8/2014	12/6/2016
United States	Segment sensitive query matching	US6465872B2	8/10/2009	10/14/2016
United States	Automotive classification of segments of web pages	US6849725B2	8/10/2009	9/30/2014
United States	Live action icons for the internet	US6683384B2	8/11/2009	3/25/2014
United States	Personal data platform	US6914342B2	8/12/2009	12/16/2014
United States	System and method for preselecting information on a mobile device	US6364611B2	8/13/2009	1/29/2013
United States	Push-pull caching for social network information	US6137329B2	1/17/2014	9/15/2015
United States	Platform for delivery of heavy content to a user	US6098856B2	8/17/2009	8/4/2015
United States	Push-pull caching for social network information	US6655842B2	8/17/2009	2/18/2014
United States	Hyperlinking web content	US6365064B2	8/19/2009	1/29/2013
United States	Circuit board structure comprising an electrical component and a method for manufacturing a circuit board structure comprising an electrical component	US6631566B2	8/24/2009	1/21/2014

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Method for efficient storage and replacement	US06055615B2	8/25/2009	11/8/2011
United-States	System and method for finding top N pairs in a map reduce setup	US0788499B2	8/27/2009	7/22/2014
United-States	Above-the-fold	US1255039	8/28/2009	
United-States	Matching reviews to objects using a language model	US080755B2	9/4/2009	5/15/2012
United-States	Synchronization of advertisement display updates with user revisitation rates	US0775945B2	9/4/2009	7/8/2014
United-States	Monetization of interactive network based information objects	US076092B2	9/10/2009	9/12/2017
United-States	Systems and methods for providing advanced search result page content	US0452762B2	9/29/2009	5/28/2013
United-States	Systems and methods for personalized search source ranking	US0645358B2	4/28/2010	2/4/2014
United-States	Systems and methods for providing advanced search result page content	US0386454B2	9/29/2009	2/26/2013
United-States	Systems and methods for providing advanced search result page content	US0386455B2	9/29/2009	2/26/2013
United-States	Semantic and text matching techniques for network search	US0112436B2	9/21/2009	2/7/2012
United-States	System and method for cross domain learning for data augmentation	US032334B2	9/24/2009	12/11/2012
United-States	Acquisition of out of vocabulary translations by dynamically learning extraction rules	US0670974B2	9/25/2009	3/11/2014
United-States	Apparatus and methods for user generated translation	US0953202B2	9/25/2009	6/9/2015
United-States	Network graph evolution rule generation	US0204904B2	9/30/2009	6/19/2012
United-States	Network graph evolution rule generation	US0489448B2	12/23/2013	11/8/2016
United-States	Network graph evolution rule generation	US0676840B2	6/6/2012	3/18/2014
United-States	System and method for slow ad detection	US0856027B2	10/7/2009	10/7/2014
United-States	Method and system for form filling and associated rich keywords	US0793239B2	10/8/2009	7/29/2014
United-States	Methods and systems relating to ranking functions for multiple domains	US10019518B2	10/9/2009	7/10/2018
United-States	Posting list interleaving parallelism in query processing	US0838576B2	10/12/2009	9/16/2014
United-States	Tutorial systems for code creation and review and associated ranking	US0635584B2	10/13/2009	1/21/2014
United-States	Improving recovery in network search using machine learning	US0886641B2	10/15/2009	11/11/2014
United-States	Method and system for completing an edit area of a web page	US0690769B2	10/16/2009	6/27/2017
United-States	Replacing an audio portion	US0239199B2	10/16/2009	8/7/2012
United-States	Pairwise ranking based classifier	US0271408B2	10/22/2009	9/18/2012
United-States	Index based technique friendly CTR prediction and advertisement selection	US0380570B2	10/27/2009	2/19/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-methods-for-enabling-arbitrary-developer-coded-consumption-of-web-based-data	US0407230B2	4/29/2010	3/26/2013
United-States	System-and-methods-for-enabling-arbitrary-developer-coded-consumption-of-web-based-data	US0442979B2	2/5/2013	9/13/2016
United-States	System-and-methods-for-enabling-arbitrary-developer-coded-consumption-of-web-based-data	US0916355B2	8/10/2016	3/13/2018
United-States	Translation-model-and-method-for-matching-reviews-to-objects	US0972436B2	10/28/2009	3/3/2015
United-States	Developer-interface-and-associated-methods-for-system-for-querying-and-consuming-web-based-data	US0621376B2	10/28/2009	12/31/2013
United-States	System-and-methods-for-web-data-transformation-sourcing	US0521754B2	1/29/2010	8/27/2013
United-States	Predicting-item-affinities-based-on-item-features-by-regression	US0442929B2	11/5/2009	5/14/2013
United-States	System-and-method-for-generating-an-image-sprite	US0706661B2	11/10/2009	4/22/2014
United-States	Voluntary-admission-control-for-traffic-yield-management	US0174974B2	11/12/2009	5/8/2012
United-States	Media-identification-system-for-efficient-matching-of-media-items-having-common-content	US0110928B2	11/4/2013	8/18/2015
United-States	Media-identification-system-for-efficient-matching-of-media-items-having-common-content	US0594392B2	11/18/2009	11/26/2013
United-States	System-for-integrating-content-from-external-sources-into-primary-search-engine-results	US0150874B2	11/30/2009	4/3/2012
United-States	System-and-method-for-automatically-building-up-topic-specific-messaging-identities	US0129263B2	12/1/2009	9/8/2015
United-States	System-and-method-for-task-management-library-to-execute-map-reduce-applications-in-a-map-reduce-framework	US0619291B2	12/20/2009	4/11/2017
United-States	Opinion-aggregation-system	US0141966B2	12/23/2009	9/22/2015
United-States	Search-suggestion-elustering-and-presentation	US0631904B2	12/28/2009	1/14/2014
United-States	Client-side-ad-etching-for-lower-ad-serving-latency	US0027100B2	1/5/2010	5/5/2015
United-States	Techniques-for-etching-web-pages	US0768926B2	1/5/2010	7/1/2014
United-States	System-and-method-for-optimizing-search-results-ranking-through-collaborative-gaming	US0612449B2	2/14/2012	12/17/2013
United-States	System-and-method-for-optimizing-search-results-ranking-through-collaborative-gaming	US0140518B2	1/8/2010	3/20/2012
United-States	Apparatus-and-methods-for-classifying-senders-of-unsolicited-bulk-emails	US0710750B2	1/12/2010	7/18/2017

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Method-and-apparatus-for-clubsterling-electronic-communications-based-on-strategy-features-and-static-content-features	US0832102B2	1/12/2010	9/9/2014
United-States	Locality-sensitive-search-suggestions	US0734251B2	1/12/2010	8/15/2017
United-States	Search-engine-recovery-using-content-preview	US0864804B2	10/7/2016	1/9/2018
United-States	Search-engine-recovery-using-content-preview	US0465879B2	1/14/2010	10/11/2016
United-States	System-and-method-for-finding-unexpected-but-relevant-content-in-an-information-retrieval-system	US0204878B2	1/15/2010	6/19/2012
United-States	Self-tagging-local-AD-system	US0015595B2	1/20/2010	4/21/2015
United-States	Image-content-based-advertisement-system	US10043193B2	1/20/2010	8/7/2018
United-States	Motion-enabled-multi-frame-challenge-response-test	US0803034B2	1/27/2010	11/18/2014
United-States	Sensitivity-estimation-of-web-pages	US0509231B2	1/28/2010	11/19/2013
United-States	Producing-optimization-graphs-in-online-advertising-systems	US0896604B2	1/29/2010	11/25/2014
United-States	Integrated-save-search-results	US0256051B2	5/12/2012	1/15/2013
United-States	Integrated-save-search-results	US0209349B2	2/1/2010	6/26/2012
United-States	System-and-method-for-tagging-users-for-content-delivery	US0135643B2	2/3/2010	9/15/2015
United-States	System-and-method-for-backend-advertisement-conversion	US0689136B2	2/3/2010	4/1/2014
United-States	Smart-widgets	US0009152B2	2/4/2010	4/14/2015
United-States	System-and-method-for-exploring-new-sponsored-search-listings-of-unertain-quality	US0558506B2	2/4/2010	1/31/2017
United-States	Automatic-super-resolution-transformation-for-images	US0406571B2	2/4/2010	3/26/2013
United-States	System-and-method-for-dissolving-story-trends-in-real-time-from-user-generated-content	US0235635B2	4/3/2013	1/12/2016
United-States	System-and-method-for-dissolving-story-trends-in-real-time-from-user-generated-content	US0429170B2	2/5/2010	4/23/2013
United-States	Targeting-online-ads-by-grouping-and-mapping-user-properties	US0423355B2	2/5/2010	4/16/2013
United-States	Electronic-module-with-EMI-protection	US10010019B2	2/16/2015	6/26/2018
United-States	Small-table-multiplexing-for-lots-of-small-tables-on-a-cloud-database	US0214355B2	2/9/2010	7/3/2012
United-States	System-and-method-for-financial-analysis-and-brand-index-in-brand-valuation	US0539842B2	2/9/2010	9/17/2013
United-States	System-and-method-for-presenting-geolocated-relevance-based-content	US0417683B2	2/16/2010	4/9/2013

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-method-for-determining-an-authority-rank-for-real-time searching	US0953083B2	2/16/2010	4/24/2010
United-States	Extraction-of-video-fingerprints-and-identification-of-multiple-media-using video-fingerprinting	US0934545B2	2/16/2010	1/13/2015
United-States	System-and-method-for-rewarding-a-user-for-sharing-activity-information with-a-third-party	US0612891B2	2/16/2010	12/17/2013
United-States	System-and-method-for-using-topic-messages-to-understand-media-relating-to-an-event	US096874B2	2/17/2010	3/12/2013
United-States	Automated-user-behavior-feedback-system-for-whole-page-search success-optimization	US0832101B2	2/18/2010	9/9/2014
United-States	Media-event-structure-and-content-identification-using-short-messages	US0984095B2	2/22/2010	7/14/2015
United-States	Media-event-structure-and-content-identification-using-short-messages	US0710454B2	5/29/2015	7/18/2017
United-States	Enhanced-find-in-page-functions-in-a-web-browser	US0943320B2	2/22/2010	5/26/2015
United-States	Boosting-paging-text-classifiers-by-language-adaptation	US0521507B2	2/22/2010	8/27/2013
United-States	Composition-model-for-cloud-hosted-serving-applications	US0229980B2	2/23/2010	1/5/2016
United-States	Systems-and-methods-for-finding-keyword-relationships-using-wisdoms-from-multiple-sources	US0214348B2	2/25/2010	7/3/2012
United-States	System-and-method-for-automatic-matching-of-contracts-using-a-fixed-length-predicate-representation	US0229933B2	2/26/2010	7/24/2012
United-States	Mechanism-for-supporting-user-content-feeds	US0554944B2	3/16/2012	10/8/2013
United-States	Mechanism-for-supporting-user-content-feeds	US0156240B2	3/4/2010	4/10/2012
United-States	Intelligent-feature-expansion-of-online-text-ads	US0788342B2	3/4/2010	7/22/2014
United-States	System,-method-and-computer-program-product-for-managing-caches	US10275347B2	3/8/2010	4/30/2019
United-States	User-specific-feed-recommendations	US0747374B2	7/31/2014	8/29/2017
United-States	Generating-a-user-profile-based-on-self-disclosed-public-status information	US10074094B2	3/9/2010	9/11/2018
United-States	User-specific-feed-recommendations	US0832099B2	3/9/2010	9/9/2014
United-States	Distributed-publish/subscribe-system	US0489674B2	3/11/2010	7/16/2013
United-States	Method,-system,-and/or-apparatuses-for-use-in-searching-for information-using-computer-platforms	US0560536B2	3/11/2010	10/15/2013
United-States	Method-and-system-for-determining-similarity-score	US0620930B2	3/11/2010	12/31/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Maximum-likelihood-estimation-under-a-convex-constraint-for-predictive-modeling	US0275656B2	3/11/2010	9/25/2012
United-States	Generation-of-content-requests-for-a-content-distribution-system	US0965965B2	3/12/2010	2/24/2015
United-States	Targeting-content-creation-requests-to-content-contributors	US0386309B2	3/12/2010	2/26/2013
United-States	Emotional-web	US0888497B2	3/12/2010	11/18/2014
United-States	Emotional-mapping	US0442840B2	3/12/2010	5/14/2013
United-States	System-and-method-for-determining-authentic-ranking-for-content-providers	US0669908B2	3/15/2010	3/4/2014
United-States	Session-based-click-futures-for-revenue-ranking	US0326815B2	3/16/2010	12/4/2012
United-States	Session-based-click-futures-for-revenue-ranking	US0255390B2	3/16/2010	8/28/2012
United-States	Impression-redirect-techniques-for-providing-a-display-advertising-supply forecast	US0554621B2	3/17/2010	10/8/2013
United-States	Customizer-state-based-targeting	US1036056B2	3/18/2010	7/23/2019
United-States	Encoding-and-accessing-position-data	US0507827B1	6/30/2011	11/29/2016
United-States	Ranking-of-search-results-based-on-microblog-data	US0751511B2	3/30/2010	6/10/2014
United-States	Clickable-term-for-contextual-advertising	US0533043B2	3/31/2010	9/10/2013
United-States	Fast-redirect-based-advertiser-selection	US0903736B2	4/5/2010	12/2/2014
United-States	Click-probability-with-missing-features-in-sorted-search	US10198519B2	4/6/2010	7/24/2012
United-States	Method-and-system-for-performing bi-directional-search	US0863000B2	4/7/2010	2/5/2019
United-States	Method-and-system-for-action-substitution-using-browser-history	US0135354B2	4/7/2010	10/14/2014
United-States	Method-and-system-for-topical-browser-history	US0949834B2	4/7/2010	9/15/2015
United-States	Modeling-and-scheduling-assembly-incremental-workflows	US0886623B2	4/7/2010	2/3/2015
United-States	Large-scale-concept-discovery-for-webpage-annotation-using-search engine indexes	US10083248B2	4/7/2010	11/11/2014
United-States	Method-and-system-for-topic-based-browsing	US0323843B2	4/7/2010	9/25/2018
United-States	Method-and-system-for-performing bi-directional-search	US0996614B2	4/7/2010	4/26/2016
United-States	Method-and-system-for-determining-relevant-text-in-a-web-page	US0659276B2	4/9/2010	6/12/2018
United-States	Method-and-system-for-socializing-events	US0152702B2	4/9/2010	5/23/2017
United-States	System-and-method-for-selecting-search-results-facets		4/9/2010	10/6/2015

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Improving geographic locations in a search process	US0903837B2	4/13/2010	12/2/2014
United States	Using external sources for sponsored search AD selection	US129300B2	4/21/2010	9/8/2015
United States	Selectively adding special dimension to web searches	US6800520B2	4/21/2010	11/4/2014
United States	Large-scale entity-specific resource classification	US0317613B2	4/21/2010	4/19/2016
United States	Online serving threshold and delivery policy adjustment	US0754266B2	4/21/2010	9/5/2017
United States	Integrated adaptive URL shortening functionality	US0411900B2	8/28/2012	8/9/2016
United States	Integrated adaptive URL shortening functionality	US0281232B2	4/22/2010	10/2/2012
United States	Finding predictive cross-category search queries for behavioral targeting	US0906441B2	4/23/2010	6/5/2018
United States	Methods for web site analysis	US0751632B2	4/29/2010	6/10/2014
United States	Efficient failure detection for long-running data transfer jobs	US0276022B2	4/30/2010	9/25/2012
United States	Bid-handshake tool	US1025560B2	5/5/2010	4/9/2019
United States	Efficient lexical trending topic detection over streams of data using a modified-sequence algorithm	US0838590B2	5/14/2010	9/16/2014
United States	Search results summarized with tokens	US10216834B2	5/19/2010	2/26/2019
United States	Method and system for providing directions	US0146123B2	5/19/2010	9/29/2015
United States	Manufacturing method and electronic module with new routing possibilities	US0301394B2	5/19/2010	3/29/2016
United States	System and method for online handwriting recognition in web queries	US0930360B2	5/28/2010	1/6/2015
United States	Research mission identification	US0769861B2	5/31/2010	7/11/2014
United States	System and method for indexing food providers and use of the index in search engines	US0903800B2	6/2/2010	12/2/2014
United States	Method and system for performing a web search via a client-side module	US0152712B2	6/30/2010	10/6/2015
United States	Method and system for performing a web search	US0619562B2	6/30/2010	4/11/2017
United States	Annotating HTML segments with functional labels	US0594730B2	7/14/2010	3/14/2017
United States	Rule-based proactive web browsing	US0744990B2	7/9/2010	6/3/2014
United States	Clustering of search results	US0443008B2	7/14/2010	9/13/2016
United States	Value-maximizing recommendation systems	US0583502B2	7/16/2010	11/12/2013
United States	Using linear and log-linear model combinations for estimating probabilities of events	US0484077B2	9/29/2010	7/9/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Estimating probabilities of events in sponsored search using adaptive models	US0302343B2	7/24/2010	3/5/2013
United-States	Electronic module with embedded jumpers conductor	US0735735B2	7/23/2010	5/27/2014
United-States	Electronic module with vertical connector between conductor patterns	US0238113B2	7/23/2010	8/7/2012
United-States	Integrated link statistics within an application	US0386915B2	7/26/2010	2/26/2013
United-States	Deceiving shadow user profiles for ad campaigns	US0543518B2	7/26/2010	9/24/2013
United-States	System and method for television search assistance	US0477460B2	7/20/2012	10/25/2016
United-States	System and method for television search assistance	US0250077B2	7/28/2010	8/24/2012
United-States	Method or system to predict media content preferences	US0137574B2	7/28/2010	9/15/2015
United-States	Ranking entity facets using user click feedback	US0262532B2	7/30/2010	2/16/2016
United-States	Socializing via search	US0633113B2	8/6/2010	4/25/2017
United-States	Contextual advertising with user features	US0031863B2	8/19/2010	5/12/2015
United-States	Method and system for providing content based on past queries	US0442987B2	8/19/2010	5/14/2013
United-States	Automatically correcting titles	US0504567B2	8/23/2010	8/6/2013
United-States	Adaptive targeting for finding look-alike users	US0087332B2	8/30/2010	7/24/2015
United-States	Multi-step challenge response test	US0528054B2	8/31/2010	9/3/2013
United-States	Content preview generation	US0520156B2	8/31/2010	12/13/2016
United-States	Method for controlling webpage within electronic products and an electronic product	US0420604B2	8/31/2010	8/16/2016
United-States	Quick applications for search	US0615510B2	9/14/2010	12/24/2013
United-States	System and method for monetizing user generated web content	US0423409B2	9/21/2010	4/16/2013
United-States	Building content in Q-and-A sites by auto-posting of questions extracted from web search logs	US04452747B2	9/27/2010	5/28/2013
United-States	Social network based user initiated review and purchase related information and advertising	US0458160B2	9/8/2010	6/4/2013
United-States	Scoring users of network based users	US0712843B2	9/8/2010	4/29/2014
United-States	System and method for obtaining user information	US0843817B2	9/14/2010	9/23/2014
United-States	Determining whether to provide an advertisement to a user of a social network	US0478697B2	9/15/2010	7/2/2013
United-States	Search assist powered by session analysis	US0255414B2	9/15/2010	8/28/2012

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Method and system for generating search URLs	US0902537B2	9/15/2010	7/28/2015
United-States	Determining whether to provide an advertisement to a user of a social network	US0805301B2	5/29/2013	10/31/2017
United-States	Measuring online ad performance for third-party ad serving	US0536240B2	9/29/2010	1/3/2017
United-States	Training a search query intent classifier using wiki article titles and a search click log	US0465864B2	9/29/2010	10/11/2016
United-States	Determining placement of advertisements on web pages	US0566160B2	9/30/2010	10/22/2013
United-States	System and method for content filtering a networked display	US0160810B2	2/11/2015	10/13/2015
United-States	System and method for controlling a networked display	US0990702B2	9/30/2010	3/24/2015
United-States	Contextual quick-picks	US0779168B2	10/4/2010	10/3/2017
United-States	Network resource-specific search assistance	US10423672B2	10/4/2010	9/24/2019
United-States	Contextual quick-picks	US10303732B2	7/14/2017	5/28/2019
United-States	Method and system for processing and learning rules for extracting information from incoming web pages	US0280528B2	10/4/2010	3/8/2016
United-States	Time-managed challenge response test	US0955044B2	10/4/2010	2/10/2015
United-States	Media or content tagging determined by user-credibility signals	US0529822B2	10/5/2010	12/27/2016
United-States	Multisided audience-related hybrid measurements	US0819293B2	9/3/2013	8/26/2014
United-States	Multisided audience-related hybrid measurements	US0549103B2	10/7/2010	10/11/2013
United-States	Movie-gesture-assisted search	US0930390B2	10/8/2010	1/6/2015
United-States	Topic-oriented diversified item recommendation	US0589378B2	10/11/2010	11/19/2013
United-States	System for training classifiers in multiple categories through active learning	US0498950B2	10/15/2010	7/30/2013
United-States	Matching items of user-generated content to entities	US0412771B2	10/21/2010	4/23/2013
United-States	Securing expandable display advertisements in a display advertising environment	US0443257B2	10/21/2010	9/13/2016
United-States	User-feed data delivery	US0633354B2	10/27/2010	4/25/2017
United-States	Measuring the effects of social sharing on online content and advertising	US0324093B2	10/28/2010	4/26/2016
United-States	Consumer group buying through online ads	US1028274B2	10/29/2010	5/7/2019
United-States	Profile prediction for shared computers	US0536000B2	10/29/2010	1/3/2017
United-States	Extracting rich temporal context for business entities and events	US0606564B2	11/1/2010	12/10/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Mobile-based-real-time-food-and-beverage-recommendation-system	US6429027B2	11/09/2010	4/23/2013
United-States	Methods-and-systems-for-pathing-analysis	US6947160B2	11/12/2010	10/18/2016
United-States	Methods-and-systems-for-pathing-analysis	US6940390B2	9/30/2016	4/10/2018
United-States	Online-advertising-with-enhanced-publisher-involvement	US6911135B2	11/15/2010	3/6/2018
United-States	Combination-creative-advertisement-targeting-system	US6510653B2	11/15/2010	8/13/2013
United-States	Bootstrapping-recommendation-system-and-method	US6510248B2	11/18/2010	8/13/2013
United-States	Detecting-counterfeit-events	US6105008B2	11/29/2010	8/11/2015
United-States	Using-clicked-state-driven-click-through-rate-estimates-in-sponsored-search	US6364525B2	11/30/2010	1/29/2013
United-States	Method-and-system-for-discovering-dynamic-relations-among-entities	US6529895B2	10/29/2014	12/27/2016
United-States	Systems-and-methods-for-list-ranking-and-ads-placement-using-interaction-features	US6620744B2	12/30/2010	12/31/2013
United-States	Systems-and-methods-for-list-ranking-and-ads-placement-using-interaction-features	US6189804B2	11/26/2013	11/17/2015
United-States	Clustering-with-similarity-adjusted-entropy	US6266140B2	12/10/2010	9/11/2012
United-States	System-and-method-for-booking-an-advertisement-for-an-impession-using-a-targeting-dimension-dictionary	US6928523B2	12/10/2010	3/27/2018
United-States	Cross-market-model-adaptation-with-pairwise-preference-data	US6489590B2	12/13/2010	7/16/2013
United-States	Coaching-web-developers-in-two-or-more-epochs	US6849750B2	12/15/2010	9/30/2014
United-States	Integrating-and-comprehensive-advertising-campaign-management-and-optimization	US6904930B2	12/16/2010	2/27/2018
United-States	Image-object-retrieval-based-on-aggregation-of-visual-annotations	US6527564B2	12/16/2010	9/3/2013
United-States	Display-entity-relationship	US6043360B2	12/17/2010	5/26/2015
United-States	User-preferred-size-printer-of-reference-in-selecting-advertisements shown-to-users	US6997202B2	12/17/2010	5/15/2018
United-States	Method-and-system-for-generating-web-pages-for-topics-unassociated-with-a-domain-URL	US6799260B2	12/17/2010	8/5/2014
United-States	Selection-and/or-modification-of-a-portion-of-online-content-based-on-an-emotional-state-of-a-user	US6332014B2	10/28/2016	8/13/2019
United-States	Automatic-classification-of-displays-using-ad-images-and-landing-pages	US6732014B2	12/20/2010	5/20/2014
United-States	Selection-and/or-modification-of-an-ad-based-on-an-emotional-state-of-a-user	US6514481B2	12/20/2010	12/6/2016

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Blending advertiser data with ad network data in order to serve finely targeted ads	US0536250B2	12/20/2010	4/9/2017
United States	Classification recommendation based on social actions	US0521679B2	12/20/2010	8/27/2013
United States	Searchable push-based architecture for web applications	US0137288B2	12/20/2010	9/15/2015
United States	Techniques for improving relevance of social updates distributed offline	US0213981B2	12/20/2010	12/15/2015
United States	Time-triggered advertiser replacement	US1002610B2	11/13/2014	7/17/2018
United States	Time-triggered advertiser replacement	US0910331B2	12/21/2010	12/23/2014
United States	Method and system for analyzing user movement of online advertisement using offline sales	US0935177B2	12/22/2010	1/13/2015
United States	Location user based on aggregated tweet content associated with a location	US0172666B2	6/10/2013	10/27/2015
United States	Location aware adaptive event reminder	US0311628B2	12/22/2010	4/12/2016
United States	Location based on aggregated tweet content associated with a location	US0478701B2	12/22/2010	7/12/2013
United States	System and method for reducing mineral buildup on drift eliminators of a cooling tower	US0678359B2	12/23/2010	3/25/2014
United States	Systems and methods for providing search assistance technologies based on user self efficacy and search frustration	US0903845B2	12/23/2010	12/2/2014
United States	Serviceable content through search	US0601017B2	12/23/2010	12/3/2013
United States	System and method for reducing mineral buildup on drift eliminators of a cooling tower	US039899B2	2/7/2014	5/26/2015
United States	Signal driven interactive television	US0185458B2	12/23/2010	11/10/2015
United States	Method and system to identify geographic locations associated with queries received at a search engine	US0384289B2	12/23/2010	7/5/2016
United States	System and method for recommending queries related to trending topics based on a received query	US0902410B2	12/23/2010	3/24/2015
United States	System and method for reducing mineral buildup on drift eliminators of a cooling tower	US038902B2	2/9/2014	5/26/2015
United States	Selecting advertisements for placement on related web pages	US0620745B2	12/27/2010	12/31/2013
United States	Method and system to utilize session queries in real time to improve search precision of sponsored listings	US1019223B2	9/12/2016	1/29/2019
United States	Variation of minimum advertisement relevance quality threshold based on search query attributes	US1027578B2	12/28/2010	4/30/2019

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Content-based content refinement of topics of user interest	US0906620B2	12/28/2010	6/12/2018
United States	Method and system to utilize session queries in real time to improve geo-precision of sponsored listings	US0443026B2	12/28/2010	9/13/2016
United States	System and method for providing contextual actions on a search results page	US0915140B2	12/30/2010	4/24/2015
United States	Mining global folders for identifying auto-folder tags	US0463827B2	1/4/2011	6/11/2013
United States	Inventory allocation for advertising with changeable supply-limited space	US0856028B2	1/24/2011	10/7/2014
United States	Systems and methods for selecting ads and ranking vendors	US1016077B2	6/3/2013	1/4/2019
United States	Method and system for predicting performance of software applications on prospective hardware architecture	US0208053B2	7/17/2014	12/8/2015
United States	Method and system for predicting performance of software applications on prospective hardware architecture	US0818787B2	1/31/2011	8/26/2014
United States	Techniques including URL-recognition and applications	US0358843B2	1/31/2011	1/22/2013
United States	Techniques including URL-recognition and applications	US0652680B2	5/22/2015	5/16/2017
United States	Techniques including URL-recognition and applications	US0900388B2	12/18/2012	6/30/2015
United States	Techniques including URL-recognition and applications	US0904690B2	4/12/2017	4/17/2018
United States	Method and system for data-provisional management in multi-layer systems	US0819064B2	2/7/2011	8/26/2014
United States	Audio fingerprint extraction by scaling in time and resampling	US0909120B2	2/10/2011	7/28/2015
United States	Non-textual security using pointers	US0075981B2	2/15/2011	7/7/2015
United States	Optimizing server resources using multiple retry-for-high-traffic websites	US0909253B2	2/16/2011	4/14/2015
United States	Display of content-interaction data in a browser	US0510379B2	2/22/2011	8/13/2013
United States	System for processing complex queries	US0977640B2	2/28/2011	3/10/2015
United States	Augmented-contentual targeting advertisements using instant messaging clients	US0671022B2	3/2/2011	3/11/2014
United States	Search-assistant system and method	US0902426B2	11/14/2016	2/13/2018
United States	Search-assistant system and method	US0405461B2	3/22/2011	11/15/2016
United States	Method and system for concept summarization	US0870376B2	4/1/2011	1/16/2018
United States	System and method for mining tags using social endorsement networks	US0607267B2	12/20/2013	3/28/2017
United States	System and method for mining tags using social endorsement networks	US0666927B2	4/19/2011	3/4/2014
United States	Collaborative electronic books	US0589804B2	4/22/2011	11/19/2013

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Embedding calendar knowledge in event-driven inventory forecasting	US0620720B2	4/20/2011	12/31/2013
United States	System and method for analyzing dynamic performance of complex applications	US0856767B2	4/29/2011	10/7/2014
United States	System and method for contextualizing query instructions using user's recent search history	US0930338B2	5/17/2011	1/6/2015
United States	Method to increase content relevance using insights obtained from user activity updates	US0838564B2	5/19/2011	9/16/2014
United States	Determination and monetization of future location	US0947014B2	7/1/2011	4/17/2018
United States	Inventory estimation for search retargeting	US0880423B2	7/1/2011	11/4/2014
United States	Methods and systems for group targeting for advertisement calendar entries	US0852404B2	7/1/2011	12/26/2017
United States	Method and system for improving relevance of web content	US0909633B2	7/1/2011	12/9/2014
United States	Methods and systems for grabbing video surfers' attention while awaiting download	US0832729B2	7/5/2011	9/9/2014
United States	Combining segments of users into vertically indexed super-segments	US0566156B2	7/5/2011	10/22/2013
United States	High performance personalized advertisement serving by exploiting thread assignments in a multiple core computing environment	US0571924B2	7/5/2011	10/29/2013
United States	Method for summarizing event related texts to answer search queries	US0208655B2	2/21/2011	4/28/2015
United States	Method for summarizing event related texts to answer search queries	US0666916B2	7/7/2011	3/4/2014
United States	Real time e-commerce user interface for monitoring and interacting with consumers	US0984338B2	9/7/2011	5/29/2018
United States	Dynamically altered search assistance	US0918389B2	7/13/2011	12/23/2014
United States	Automatic profiling of social media users	US10127522B2	7/14/2011	11/13/2018
United States	System for monitoring a video	US0804690B2	12/9/2011	10/31/2017
United States	System for monitoring a video	US0214135B2	7/18/2011	12/15/2015
United States	Method and system for building an elastic cloud web server farm	US0954568B2	7/21/2011	2/10/2015
United States	Method and system for building an elastic cloud web server farm	US0699250B2	1/12/2011	7/4/2017
United States	Method and system for fast similarity computation in high dimensional space	US0515964B2	7/25/2011	8/20/2013
United States	System and method for web knowledge extraction	US0918357B2	7/26/2011	12/23/2014
United States	Method and system for automatically identifying optimal meeting locations	US0558457B2	7/26/2011	1/31/2017

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for optimizing window display	US0342208B2	7/27/2011	5/17/2016
United States	Method and system for distributed application stack deployment	US0756505B2	7/28/2011	6/17/2014
United States	Disaggregation to isolate users for ad targeting	US0646327B2	8/9/2011	5/9/2017
United States	Multi-step captcha with serial time consuming decryption of puzzles	US0522327B2	8/10/2011	8/27/2013
United States	System and method for generation of a dynamic social page	US0914382B2	10/3/2011	12/16/2014
United States	System for custom user generated achievement badges based on activity feeds	US0208470B2	10/4/2011	12/8/2015
United States	Method, device, and server for transmitting and responding to a location declaration	US0880099B2	10/12/2011	11/14/2014
United States	Embedding non-blocking help components in a display page using discovery-driven feature cues	US0811350B2	10/12/2011	11/7/2017
United States	Methods and systems for targeting user initiated social events	US1024895B2	10/14/2011	4/2/2019
United States	Method and system for resolving data inconsistencies	US0849760B2	10/17/2011	9/30/2014
United States	Method and system for workload balancing	US0661136B2	10/17/2011	2/25/2014
United States	Method and system for dynamic control of a multi-tier processing system	US0378058B2	2/25/2013	6/28/2016
United States	Dynamically updating emotion-based on user targeting	US0870552B2	10/19/2011	1/16/2018
United States	Method of tracking offline user interaction in a rendered document on a mobile device	US0825749B2	10/21/2011	9/2/2014
United States	Aggregating data from multiple devices belonging to one user for directed ad targeting	US0600834B2	10/26/2011	3/21/2017
United States	Lock-free transactional support for large-scale storage systems	US0946745B2	3/19/2015	4/17/2018
United States	Lock-free transactional support for large-scale storage systems	US0900177B2	10/27/2011	3/24/2015
United States	Advertiser and campaign utilizing streaming analytics	US0754279B2	10/27/2011	9/5/2017
United States	Methods and systems for facilitating caching of advertisements	US0767465B2	10/28/2011	9/19/2017
United States	Assisted searching	US0983996B2	10/31/2011	3/17/2015
United States	Social sharing and influence graph system and method	US10134046B2	11/9/2011	11/20/2018
United States	Live advertisement preview display and distribution	US0679306B2	11/11/2011	6/13/2017
United States	Providing advertisements in an augmented reality environment	US0536251B2	11/15/2011	1/3/2017
United States	System and method for extrinsic collecting and ranking of email objects	US0043413B2	11/15/2011	5/26/2015

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Premium instant messaging space	US0805388B2	11/16/2011	10/31/2017
United States	Related news articles	US0713028B2	11/17/2011	4/29/2014
United States	Method or system for spilling in query environments	US0356050B1	11/21/2011	1/15/2013
United States	Automatically arranging of feeds on a user interface	US0930839B2	11/22/2011	1/6/2015
United States	Fast maneuvering and high speed data attachments for message services	US0601079B2	11/29/2011	12/3/2013
United States	Results returned for list seeking queries	US0832057B2	12/2/2011	9/9/2014
United States	System and method of matching content items and consumers	US0660975B2	12/7/2011	2/25/2014
United States	Image object retrieval	US0870517B2	12/8/2011	1/16/2018
United States	Method and system for deploying multiple distributed application stacks on a target machine	US0268589B2	12/9/2011	2/23/2016
United States	User-storing and addresssing complex information needs	US0990246B2	12/15/2011	3/24/2015
United States	Interactive interface for object search	US077536B2	12/19/2011	7/8/2014
United States	Query-based search	US0868558B2	12/19/2011	10/21/2014
United States	Instantiating search box into a mobile terminal dialog messageing protocol	US10230672B2	4/17/2015	3/12/2019
United States	Instantiating search box into a mobile terminal dialog messageing protocol	US052792B2	5/9/2012	6/9/2015
United States	User behavior driven backgroud and cache refreshing	US0808133B2	12/20/2011	11/25/2014
United States	SMS-initiated mobile registration	US0210557B2	12/20/2011	12/8/2015
United States	Server-side modification of messages during a mobile-terminal message exchange	US0600807B2	6/6/2012	3/11/2017
United States	Location aware commenting widget for creation and consumption of relevant comments	US0158851B2	12/20/2011	10/13/2015
United States	Linking newsworthy events to published content	US0880390B2	12/20/2011	11/4/2014
United States	Method and system for distributed application stack test certification	US0612812B2	12/21/2011	4/4/2017
United States	System and method for automatic presentation of content related data with content presentation	US0719285B2	12/22/2011	5/6/2014
United States	Method and system for generating query related suggestions	US0858313B2	12/22/2011	1/2/2018
United States	Methods and systems for ad placement planning	US0135632B2	12/28/2011	9/15/2015
United States	Ecosystem for manually marked searchable feeds on publisher sites	US0965876B2	1/18/2012	2/24/2015
United States	System for collecting customer feedback in real time	US10089636B2	1/20/2012	10/2/2018

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Probe-system-for-replication-monitoring	US0447730B1	1/31/2012	5/21/2013
United-States	Probe-system-for-replication-monitoring	US0886603B2	4/17/2013	11/11/2014
United-States	Automatic-face-annotation-of-images-containing-in-media-content	US0676814B2	2/16/2012	3/18/2014
United-States	System-for-tracking-diffusion	US10103952B2	4/7/2017	10/16/2018
United-States	System-for-tracking-diffusion	US0100436B2	2/13/2015	8/4/2015
United-States	System-for-tracking-diffusion	US0100286B2	2/13/2015	8/4/2015
United-States	System-for-tracking-diffusion	US0634913B2	6/25/2015	4/25/2017
United-States	System-for-tracking-diffusion	US0990341B2	2/29/2012	3/24/2015
United-States	Flexible-tier-data-center	US0696770B2	3/8/2012	7/4/2017
United-States	Publish-subscribe-platform-for-cloud-file-distribution	US0485300B2	3/13/2012	11/14/2016
United-States	Method-and-system-for-edge-server-cache	US0607097B2	3/26/2012	3/28/2017
United-States	Systems-and-methods-to-suggest-travel-itineraries-based-on-users'current-location	US0818715B2	3/29/2012	8/26/2014
United-States	Finding-engaging-media-with-initialized-explore-exploit	US0923621B2	3/29/2012	12/30/2014
United-States	Development-of-platform-independent-applications	US0235398B2	4/2/2012	1/12/2016
United-States	Cross-section-advertising-campaign-sequencing	US0202232B2	4/2/2012	12/14/2015
United-States	Development-and-hosting-for-platform-independent-applications	US0946526B2	4/2/2012	4/17/2018
United-States	Development-of-platform-independent-applications	US0158520B2	7/17/2012	10/13/2015
United-States	Deployment-and-hosting-of-platform-independent-applications	US0268546B2	12/28/2012	2/23/2016
United-States	Deployment-and-hosting-of-platform-independent-applications	US0197720B2	12/19/2012	11/24/2015
United-States	Method-and-system-for-content-search	US0862610B2	4/13/2012	10/14/2014
United-States	Method-and-system-of-dynamic-routing-of-aggregated-online-media streams	US1022550B2	4/16/2012	3/5/2019
United-States	Method-and-system-for-providing-a-predictive-content-to-a-user	US0924799B2	4/16/2012	12/30/2014
United-States	Method-and-system-for-updating-a-background-picture-of-a-web-search results-page-for-different-search-queries	US0519661B2	4/17/2012	12/13/2016
United-States	Method-and-system-for-providing-content-in-formation-during-video buffering	US0888280B2	4/17/2012	2/6/2018
United-States	Dynamic-webpage-image	US0971740B2	3/22/2016	5/15/2018
United-States	Dynamic-webpage-image	US0317623B2	4/20/2012	4/19/2016

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Instant search results with page previews	US0370283B2	4/23/2012	6/28/2016
United-States	Snapshot refreshment for search results page preview	US0529926B2	4/23/2012	12/27/2016
United-States	Snapshot generation for search results page preview	US0218410B2	4/23/2012	12/22/2015
United-States	Method and system for distributed machine learning	US0633315B2	4/27/2012	4/25/2017
United-States	User modeling for personalized generated content recommendations	US0996530B2	4/27/2012	3/31/2015
United-States	Avatars for use with personalized generated content recommendations	US0785883B2	4/27/2012	10/10/2017
United-States	Contentious content identification of broadcast content	US1027557B2	7/10/2017	4/30/2019
United-States	Pricing engine revenue evaluation	US0612274B2	4/30/2012	12/17/2013
United-States	Contentious content identification of broadcast content	US0703932B2	4/30/2012	7/11/2017
United-States	Method and system for automatic detection of eavesdropping of an account based on identifiers and conditions	US0869280B2	5/2/2012	10/21/2014
United-States	Methods and systems for personalizing user experience based on attitude prediction	US0092757B2	5/9/2012	7/28/2015
United-States	Method and system for automatic assignment of identifiers to a graph of entities	US0223861B2	5/10/2012	12/29/2015
United-States	Method and system for real-time de-duplication of objects in an entity-relationship graph	US0931943B2	5/14/2012	5/12/2015
United-States	Media recommendation using internet media stream modeling	US0582767B2	5/16/2012	2/28/2017
United-States	Context-relevant interactive television	US0866915B2	5/18/2012	1/9/2018
United-States	Method and system for email sequence identification	US0856240B2	5/24/2012	10/7/2014
United-States	Automated tag extraction from video annotated photos	US0768693B2	5/31/2012	7/11/2014
United-States	Personalized content from indexed archives	US0965129B2	6/1/2012	5/8/2018
United-States	Creating a content index using data on user actions	US0792285B2	6/1/2012	10/17/2017
United-States	System and method for disseminating photographs hotspots	US0996305B2	6/7/2012	3/31/2015
United-States	Method and system for mining trends around trending terms	US10275525B2	6/14/2012	4/30/2019
United-States	Method and system for displaying comments associated with a query	US0177066B2	6/14/2012	11/3/2015
United-States	System and method for providing sponsored applications in email	US0111291B2	6/19/2012	8/18/2015
United-States	Method and system for detecting users' emotions when experiencing a media program	US0251406B2	6/20/2012	2/7/2016
United-States	Index replication in distributed search engines	US0460226B2	6/28/2012	10/4/2016

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for recommending web sites	US0147000B2	6/29/2012	9/29/2015
United States	Techniques for organizing and presenting deal content	US0384502B2	6/29/2012	7/5/2016
United States	Method or system for semantic categorization	US0305103B2	7/9/2012	4/5/2016
United States	Peer-to-peer architecture for web traffic management	US10057341B2	3/17/2017	8/21/2018
United States	Peer-to-peer architecture for web traffic management	US0621648B2	8/3/2015	4/11/2017
United States	Peer-to-peer architecture for web traffic management	US0100362B2	7/6/2012	8/4/2015
United States	Method and system for visualizing patterns during internet browsing	US0696896B2	7/9/2012	7/4/2017
United States	Response completion in social media	US0380009B2	7/12/2012	6/28/2016
United States	System and method for automatically determining an optimal power cap value	US0015502B2	7/13/2012	4/21/2015
United States	Inventory control rules for inventory management	US0858582B2	7/30/2012	1/2/2018
United States	System and method for identifying abusive account registration	US0862524B2	8/1/2012	10/14/2014
United States	System and method for identifying abusive account registration	US0838403B2	8/4/2014	12/5/2017
United States	Methods and systems for determining the effect of a host on network latency while delivering online ADS	US0667133B2	8/2/2012	3/4/2014
United States	Methods and systems for recommending social network connections	US0117250B2	8/30/2012	8/25/2015
United States	Method and system for reducing network latency	US0363240B2	8/30/2012	6/7/2016
United States	Social content suggestions based on connections	US0367878B2	9/7/2012	6/14/2016
United States	Generating an individualized web page template with entities of a web page publisher organization associated with areas of the template	US0558175B2	9/13/2012	1/31/2017
United States	Multimode distribution systems and methods for providing power from power sources to power consuming devices	US0728969B2	8/28/2015	8/3/2017
United States	Multimode distribution systems and methods for providing power from power sources to power consuming devices	US0136707B2	10/9/2012	9/15/2015
United States	Method and system for customizing a web site	US0268885B2	10/9/2012	2/23/2016
United States	Display of location related promotional message with search query results	US0311655B2	10/12/2012	4/12/2016
United States	Methods and systems for package management	US0292299B2	10/16/2012	3/23/2016
United States	Hybrid applications	US0887182B2	10/16/2012	11/11/2014
United States	Visible personalization	US0903778B2	10/17/2012	12/2/2014
United States	Writing data from hardop to off-grid storage	US0268716B2	10/19/2012	2/23/2016

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Ranking products using purchase day-based time windows	US0880518B2	10/26/2012	11/4/2014
United States	Systems and methods for implementing bid adjustments in an online advertisement exchange	US10217118B2	10/30/2012	2/26/2019
United States	User displays using N-way paginated merge of information from diverse sources	US0465881B2	10/31/2012	10/11/2016
United States	Method and system for improved language identification using language tags	US0971759B2	2/13/2017	5/15/2018
United States	Method and system for improved language identification using language tags	US0569421B2	10/31/2012	2/14/2017
United States	Social web browsing	US0836178B2	11/3/2012	12/5/2017
United States	Method and system for remote altering static video content in real time	US1014900B2	5/11/2016	12/4/2018
United States	Method and system for remote altering static video content in real time	US0369766B2	11/6/2012	6/14/2016
United States	Navigation bridge	US0135589B2	11/6/2012	9/15/2015
United States	Method and system for work load balancing	US0104497B2	11/7/2012	8/11/2015
United States	Method and system for providing tokenless secure login by visual cryptography	US0984225B2	11/15/2012	5/29/2018
United States	Methods and apparatuses for document processing at distributed processing nodes	US0330181B2	11/26/2012	5/3/2016
United States	Feature-rich view of an entity subgraph	US0754015B2	11/26/2012	9/5/2017
United States	Systems and methods involving features of search and/or search integration	US1038750B2	12/17/2012	8/20/2019
United States	Systems and methods involving search enhancement features associated with media modules	US1030372B2	6/12/2013	5/28/2019
United States	Identity workflow that utilizes multiple storage engines to support various lifecycles	US0367624B2	12/21/2012	6/14/2016
United States	Type-ahead search optimization	US0665909B2	12/24/2012	2/24/2015
United States	User behavior models based on source domain	US0405746B2	12/28/2012	8/23/2016
United States	Systems and methods relating to design of mobile applications for display ads on a larger screen space	US0411435B2	1/7/2013	8/9/2016
United States	Systems and methods relating to design of mobile applications for display ads on a larger screen space	US0594438B2	7/7/2016	3/14/2017
United States	Systems and methods relating to design of mobile applications for display ads on a larger screen space	US0753554B2	1/25/2017	9/5/2017

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Systems and methods relating to ad/content targeting for map route options-based on personalization and user data	US10077908B2	1/6/2013	9/18/2018
United-States	System and method for applying an efficient data compression scheme to URL parameters	US9087070B2	1/31/2013	7/11/2015
United-States	System and method for applying an efficient data compression scheme to URL parameters	US9727574B2	7/9/2015	8/8/2017
United-States	Finger-expressions for touch screens	US9760278B2	3/4/2013	9/12/2017
United-States	Video-analysis system	US9749710B2	3/4/2013	8/29/2017
United-States	Learned video advertisement wall	US10484755B2	2/27/2018	11/19/2019
United-States	Video-advertisement-wall	US9369778B2	12/3/2013	6/14/2016
United-States	Automatically-fitting a-wearable-object	US9930425B2	4/30/2016	3/27/2018
United-States	Online-advertisement-push-delivery	US10311474B2	3/12/2013	10/2/2018
United-States	Online-digital-content-real-time-update	US10209694B2	3/15/2013	6/4/2019
United-States	Activity-initiated-virtual-machine-migration	US10176010B2	8/7/2017	1/8/2019
United-States	Forming regions characterized by labeled measurements	US9760389B2	3/15/2013	9/12/2017
United-States	Social-media-based-content-selection-system	US9424319B2	3/15/2013	8/23/2016
United-States	Efficient and fault-tolerant distributed algorithm for learning latent factor models through matrix factorization	US9535938B2	3/15/2013	1/3/2017
United-States	Jabba language	US9311058B2	3/15/2013	4/12/2016
United-States	Identifying regions characterized by labeled measurements	US9589322B2	11/30/2015	3/7/2017
United-States	Identifying regions characterized by labeled measurements	US9235898B2	3/15/2013	1/12/2016
United-States	Method and system for mapping short-term ranking optimization objective to long-term engagement	US9171008B2	3/15/2013	10/27/2015
United-States	Method and system for efficient matching of user profiles with audience segments	US9706088B2	3/15/2013	7/11/2017
United-States	Method and system for data-triggered dynamic log-level control	US9342438B2	3/15/2013	5/17/2016
United-States	Almost-online-large-scale-collaborative-filtering-based-recommendation system	US9348924B2	3/15/2013	5/24/2016

jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Method and system for user profiling via mapping third party interests to a user's real interest space	US9430572B2	3/15/2013	8/30/2016
United-States	Display time of a web page	US9355070B2	3/15/2013	5/31/2016
United-States	Machine-for-recoognizing-or-generatng-jabba-type-sequences	US9262555B2	3/15/2013	2/16/2016
United-States	Method and system for discovery of user-unknown interests based on supplemental content	US9270767B2	3/15/2013	2/23/2016
United-States	Jabba-type contentual tagger	US9530994B2	3/15/2013	12/27/2016
United-States	Jabba-type overrider for eorrection or impovng output of a model	US9195940B2	3/15/2013	11/24/2015
United-States	Detectng prohibited data use in a session based on the adverstng	US10198743B2	4/9/2013	2/5/2019
United-States	Efficient database searching	US10275403B2	10/20/2016	4/30/2019
United-States	Efficient database searching	US9501526B2	4/17/2013	11/22/2016
United-States	Online-and-offline-collaboration-associated-with-shopping-and-purchasing	US1018995B2	5/7/2013	10/23/2018
United-States	Identifying communities within a social network based on information propagation data	US9342854B2	5/8/2013	5/17/2016
United-States	Automating price adjustments	US10032185B2	5/10/2013	7/24/2018
United-States	Method and system for displaying content relating to a subject matter of a displayed media program	US9817911B2	5/10/2013	11/14/2017
United-States	System and method for tagging user interests based on mobile calls	US9582815B2	5/16/2013	2/28/2017
United-States	System and method for tagging user interests based on mobile calls	US9811843B2	1/31/2017	11/7/2017
United-States	Dynamically modification of a parameter of an image based on user interest	US10282736B2	5/21/2013	5/7/2019
United-States	System and method for auto-adjust positioning of preferred content for increased click and conversion rates	US9298357B2	5/28/2013	3/29/2016
United-States	Method and system for do-umment update	US9268899B2	5/29/2013	2/23/2016
United-States	Method and system for automatically pausing adverstisements based on user attention	US10026104B2	11/16/2015	7/17/2018
United-States	Method and system for automatically pausing adverstisements based on user attention	US9189895B2	6/18/2013	11/17/2015
United-States	Method and system for recording and replaying user sessions in browser based applications	US9047147B2	6/18/2013	6/2/2015
United-States	Method and system for event state management in stream processing	US9680893B2	6/19/2013	6/13/2017
United-States	Motion-based human verification system and method	US9397841B2	6/26/2013	7/19/2016

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Quality-scoring-system-for-advertisements-and-content-in-an-online-system	US9460451B2	7/31/2013	10/04/2016
United-States	Interactive-site-map-with-user-footprints	US9727665B2	7/4/2013	8/9/2017
United-States	Influencer-maximization-with-viral-product-design	US10546308B2	11/7/2016	1/28/2020
United-States	Influencer-maximization-with-viral-product-design	US9489699B2	7/10/2013	11/9/2016
United-States	Personal-trends-module	US9158850B2	7/24/2013	10/13/2015
United-States	Personal-trends-module	US9990436B2	10/12/2015	6/5/2018
United-States	Multi-finger-user-identification	US9392093B2	7/25/2013	7/12/2016
United-States	Method-and-apparatus-for-secure-localization-of-points-of-interest	US10037327B2	7/9/2016	7/31/2019
United-States	Method-and-apparatus-for-secure-localization-of-points-of-interest	US9881075B2	7/24/2014	1/30/2018
United-States	Method-and-apparatus-for-secure-localization-of-points-of-interest-using-a-world-shape	US9390104B2	7/30/2013	7/12/2016
United-States	Methods-and-system-for-device-authentication	US932432B2	8/1/2013	5/3/2016
United-States	Encoding-pre-roll-advertisements-in-progressively-loading-images	US9066116B2	8/13/2013	6/23/2015
United-States	Capture-and-retrieval-of-a-personalized-modal-icon	US10289265B2	8/15/2013	5/14/2019
United-States	Testing-computer-implementable-instructions	US9146842B2	8/15/2013	9/29/2015
United-States	Enhancing-network-security	US9197697B2	8/15/2013	11/24/2015
United-States	Method-and-system-for-recommending-relevant-web-content-to-second-screen-application-users	US9268861B2	8/19/2013	2/23/2016
United-States	System-and-method-for-automatically-suggesting-diverse-and-personalized-messages-completions	US10031908B2	10/12/2015	7/24/2018
United-States	System-and-method-for-automatically-suggesting-diverse-and-personalized-messages-completions	US9161188B2	8/22/2013	10/13/2015
United-States	System-and-method-for-contextual-social-messaging	US9191788B2	8/22/2013	11/4/2015
United-States	User-programmable-character-store-for-video	US10055099B2	12/11/2013	8/21/2018
United-States	Local-recommendation-engine	US9679062B2	9/18/2013	6/13/2017
United-States	Automatic-verification-by-comparing-user-interface-images	US9135151B2	9/18/2013	9/15/2015
United-States	Cache-refreshing-for-online-social-newsfeeds	US9967354B2	9/26/2013	5/9/2018
United-States	Method-and-system-for-entrolling-online-user-account-using-a-mobile device	US10164931B2	6/19/2017	12/25/2018

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Method and system for controlling online user account using a mobile device	US9686274B2	9/27/2013	6/20/2017
United-States	Secure physical authentication input with personal display or sound device	US9760696B2	9/27/2013	9/12/2017
United-States	Keyword price recommendation	US9911440B2	10/1/2013	3/6/2018
United-States	Revenue share analysis	US9779422B2	10/1/2013	10/3/2017
United-States	Alternate screen reveal for instant privacy	US10007810B2	10/5/2013	6/26/2018
United-States	Gross device information exchange using gestures and locations	US10136280B2	3/17/2017	11/20/2018
United-States	Gross device information exchange using gestures and locations	US9426605B2	10/10/2013	8/23/2016
United-States	Gross device information exchange using gestures and locations	US9602957B2	8/22/2016	3/21/2017
United-States	Masterless echo replication	US9602645B2	10/23/2013	3/21/2017
United-States	Systems and methods for generating a dense graph	US9652875B2	10/28/2013	5/16/2017
United-States	Dynamic database indexes for entity attribute value stores	US10061780B2	10/28/2013	8/28/2018
United-States	Recommendation of television content	US9635401B2	10/31/2013	4/25/2017
United-States	Gross platform interface for a television device	US9479832B2	10/31/2013	10/25/2016
United-States	Gross platform interface for a television device	US9654839B2	10/17/2016	5/16/2017
United-States	Audio visual interaction with user devices	US10275022B2	7/24/2018	4/30/2019
United-States	Online marketplace to facilitate the distribution of marketing services from a marketer to an online merchant	US10026133B2	11/12/2013	7/17/2018
United-States	Audio visual interaction with user devices	US10048748B2	11/12/2013	8/14/2018
United-States	User engagement based contextually dependent automated pricing for non-guaranteed delivery	US10134053B2	11/19/2013	11/20/2018
United-States	Method of system for access to shared resource	US10203995B2	11/22/2013	2/12/2019
United-States	Blur aware photo feedback	US9210327B2	12/2/2013	12/8/2015
United-States	Contextual based search suggestion	US9971837B2	12/16/2013	5/15/2018
United-States	Method and system for iterative pipeline	US10326824B2	12/17/2013	6/18/2019
United-States	Query suggestions	US9672298B2	12/30/2013	6/6/2017
United-States	Low-key point of interest notification	US9392444B2	12/31/2013	7/12/2016
United-States	Method and system for a scheduled map executor	US9986018B2	1/9/2014	5/20/2018
United-States	Recursive unique user metrics in real time	US9754035B2	2/7/2014	9/5/2017

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Localized-selectable-location-and/or-time-for-search-queries-and/or-search-query-results	US0970425B2	2/27/2014	4/16/2018
United-States	Method-of-querying-signals	US0609043B2	2/27/2014	3/29/2017
United-States	3-dimensional-optimized-reality-maps	US0721389B2	3/3/2014	8/4/2017
United-States	System-and-method-for-email-notification	US10033681B2	3/3/2014	7/24/2018
United-States	Methods-and-systems-for-facilitating-communication-between-providers-of-on-line-services-and-protectible-users	US0607309B2	3/4/2014	3/28/2017
United-States	Attorney-fee-estimation-of-services-in-a-data-center	US0668375B2	3/13/2014	5/30/2017
United-States	System-and-method-for-enhanced-accuracy-estimation	US10055506B2	3/19/2014	8/24/2018
United-States	Compensation-threshold-decomposition	US0460456B2	3/21/2014	10/4/2016
United-States	Method-and-system-for-decomposing-social-relationships-into-domains-of-interactions	US10013480B2	3/26/2014	7/3/2018
United-States	Secure-information-exchange-between-devices-using-location-and-unique-codes	US0794614B2	12/31/2015	10/17/2017
United-States	Secure-information-exchange-between-devices-using-location-and-unique-codes	US0282358B2	4/8/2014	3/8/2016
United-States	Xpath-related-and-other-techniques-for-use-in-native-advertisement-placement	US10140627B2	4/14/2014	11/27/2018
United-States	Xpath-related-and-other-techniques-for-use-in-native-advertisement-placement	US10269048B2	12/30/2014	4/23/2019
United-States	Content-guided-techniques-for-use-in-native-advertisment-placement	US10269034B2	4/14/2014	4/23/2019
United-States	Frequent-markup-techniques-for-use-in-native-advertisment-placement	US0361635B2	4/14/2014	6/7/2016
United-States	Frequent-markup-techniques-for-use-in-native-advertisment-placement	US0972034B2	3/23/2017	5/15/2018
United-States	Frequent-markup-techniques-for-use-in-native-advertisment-placement	US0626699B2	5/23/2016	4/18/2017
United-States	Opportunisticly-solving-search-use-cases	US0824149B2	4/23/2014	11/21/2017
United-States	Method-and-system-for-entire-recognition-in-a-query	US0619558B2	4/29/2014	4/11/2017
United-States	Method-and-system-for-providing-query-suggestions-including-entities	US0836554B2	4/30/2014	12/5/2017
United-States	Modular-search-object-framework	US0830388B2	4/30/2014	11/28/2017
United-States	Method-and-system-for-evaluating-query-suggestions-quality	US0606068B2	4/30/2014	3/21/2017
United-States	Method-and-system-for-user-selection-of-query-suggestions	US0471570B2	4/30/2014	10/18/2016

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Internet-based search results organized with a modular search object framework	US0935945B2	4/30/2014	1/9/2017
United States	Method of system for data traffic control and encryption	US1027755B2	5/21/2014	4/30/2019
United States	Synthetic question formulation	US0830555B2	5/21/2014	11/28/2017
United States	System and method for event triggered search results	US0754284B2	5/22/2014	9/5/2017
United States	Method and system for predicting future email	US1039745B2	5/30/2014	8/27/2019
United States	Systems and methods for advertising using sponsored verbs and contexts	US1015273B2	1/30/2017	12/11/2018
United States	Systems and methods for advertising using sponsored verbs and contexts	US0959504B2	5/30/2014	3/14/2017
United States	Determining traffic quality using event based traffic scoring	US10115125B2	6/3/2014	10/30/2018
United States	Information matching and match validation	US0947060B2	6/3/2014	4/17/2018
United States	Entity generation using queries	US10289637B2	6/13/2014	5/14/2019
United States	System and method for address based locations	US0661066B2	6/18/2014	5/23/2017
United States	Personalizing query rewrites for ad matching	US10049132B2	6/26/2014	8/14/2018
United States	Recommended query formulation	US10223477B2	6/26/2017	3/5/2019
United States	Podcasts in personalized content streams	US0661100B2	6/30/2014	5/23/2017
United States	Recommended query formulation	US0690860B2	6/30/2014	6/27/2017
United States	Method and system for predicting search results quality in vertical ranking	US10146872B2	7/16/2014	12/4/2018
United States	System and method for calibrating low energy signal strengths	US0385821B2	7/16/2014	7/5/2016
United States	System and method for detection of indoor tracking units	US0363644B2	8/19/2014	6/7/2016
United States	System and method for detection of indoor tracking units	US0813854B2	3/31/2016	11/7/2017
United States	Rainbow event drop detection system	US1016262B2	7/28/2014	12/25/2018
United States	Expressing statements in messages with personalized expression style	US1011660B2	8/14/2014	10/30/2018
United States	Content suggestions	US0922361B2	8/18/2014	3/20/2018
United States	Method and system for presenting content summary of search results	US0767198B2	8/25/2014	9/19/2017
United States	Emotionally relevant content	US10120946B2	2/17/2017	11/6/2018
United States	Emotionally relevant content	US0613033B2	8/19/2014	4/4/2017
United States	System and method for authentication across devices	US0843583B2	9/5/2014	12/12/2017

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Systems and methods for image optimization	US10157508B2	9/19/2014	12/18/2018
United States	Graphical interface presentation of search results	US10216844B2	9/26/2014	2/26/2019
United States	Advertisement opportunity bidding	US0806705B2	9/26/2014	2/6/2018
United States	Method and system for providing a synchronization service	US0754002B2	10/7/2014	9/5/2017
United States	Character input using modern remote control	US0684449B2	10/10/2014	6/20/2017
United States	Feature selection	US1023563B2	10/16/2014	3/19/2019
United States	Systems and methods for tracking brand reputation and market share	US10354273B2	11/5/2014	7/16/2019
United States	Geolocation safety awareness	US0942332B2	11/12/2014	4/10/2018
United States	Method for ranking social and search web traffic with virality scores	US10402409B2	12/10/2014	9/3/2019
United States	User authentication and data encryption	US10437970B2	10/22/2017	10/8/2019
United States	User authentication and data encryption	US0817056B2	12/12/2014	11/14/2017
United States	Method for fabrication of an electronic module and electronic module	US0999136B2	12/15/2014	6/12/2018
United States	Enhance search assist systems freshness by extracting phrases from news articles	US10242106B2	12/17/2014	3/26/2019
United States	Routing control for online ad campaigns	US10068247B2	12/17/2014	9/4/2018
United States	Generating user recommendations	US0665663B2	12/17/2014	5/30/2017
United States	Method and system for providing a search result	US0805097B2	12/17/2014	10/31/2017
United States	Method and system for enhanced search term suggestion	US10073884B2	12/18/2014	9/11/2018
United States	Inferring user identity across multiple applications and user devices	US0936044B2	12/18/2014	4/3/2018
United States	Native advertisement smart injection	US0734510B2	12/29/2014	8/15/2017
United States	Method and system for entity linking	US10289957B2	12/30/2014	5/14/2019
United States	Method and system for enhanced query term suggestion	US10210243B2	8/23/2017	2/19/2019
United States	Contracting and/or decontracting stored parameters	US10089318B2	12/30/2014	10/2/2018
United States	Method and/or system for walkng route recommendation	US0803988B2	12/30/2014	10/31/2017
United States	Method and system for enhanced query term suggestion	US0767183B2	12/30/2014	9/19/2017
United States	Method and/or apparatus for generating signal processing pipelines	US100891081B2	12/31/2014	10/2/2018
United States	Location uncertainty in search	US0426626B2	12/31/2014	8/23/2016
United States	Location uncertainty in search	US0749796B2	7/18/2016	8/29/2017
United States	Providing interactivity options for television broadcast content	US0948997B2	2/25/2015	4/17/2018

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Secure service for receiving information from the user and for displaying	US0942244B2	12/15/2015	4/10/2018
United States	Secure service for receiving information through the user interface	US0251372B1	7/8/2015	2/2/2016
United States	User interface for a computer display	US0586362S1	3/24/2008	2/10/2009
United States	User interface for a computer display	US0586361S1	3/24/2008	2/10/2009
United States	Computer-rendered three-dimensional and projection images to adjacent images for a portion of a display screen	US0598029S1	11/29/2007	8/11/2009
United States	Graphical user interface for a display screen	US0624088S1	12/26/2007	9/21/2010
United States	Display panel for a programmed computer with a graphical user interface	US06726851	9/21/2011	3/5/2013
United States	Display panel for a programmed computer with a graphical user interface	US0678313S1	9/21/2011	3/19/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SANIT LAWRENCE COMMUNICATIONS LLC PERCEPTUAL WEIGHTING DEVICES AND METHOD FOR EFFICIENT CODING OF WIDEBAND SIGNALS	6807524	2004-06-20	2004-10-19
United States	METHOD AND DEVICE FOR ADAPTIVE BANDWIDTH RITCH SEARCH IN CODING WIDEBAND SIGNALS	7260521	1999-10-27	2007-08-21
United States	METHOD AND DEVICE FOR ADAPTIVE BANDWIDTH RITCH SEARCH IN CODING WIDEBAND SIGNALS	7672837	2006-08-04	2010-03-02
United States	METHOD AND DEVICE FOR ADAPTIVE BANDWIDTH RITCH SEARCH IN CODING WIDEBAND SIGNALS	8036885	2009-11-17	2011-10-11
United States	PERIODICITY ENHANCEMENT IN DECODING WIDEBAND SIGNALS	6795805	2001-07-23	2004-09-21
United States	HIGH FREQUENCY CONTENT RECOVERING METHOD AND DEVICE FOR OVER-SAMPLED SYNTHESIZED WIDEBAND SIGNAL	7451802	2001-07-23	2006-12-19
United States	GAIN-SMOOTHING IN WIDEBAND SPEECH AND AUDIO SIGNAL DECODER	7191123	2000-11-17	2007-03-13
United States	INDEXING-PULSE POSITIONS AND SIGNS IN ALGEBRAIC CODEBOOKS FOR CODING OF WIDEBAND SIGNALS	7280959	2003-04-30	2007-10-09
United States	A METHOD AND DEVICE FOR FREQUENCY SELECTIVE RITCH ENHANCEMENT OF SYNTHESIZED SPEECH	7529660	2004-11-23	2009-05-05
United States	A METHOD AND DEVICE FOR MULTI-RATE LATTICE VECTOR QUANTIZATION OF A SIGNAL	7406228	2005-06-06	2006-09-12
United States	METHODS AND DEVICES FOR LOW-FREQUENCY EMPHASIS DURING AUDIO COMPRESSION BASED ON A GELP/TCX	7979271	2005-02-18	2011-07-12
United States	METHODS AND DEVICES FOR SWITCHING BETWEEN SOUND SIGNAL CODING MODES AT A CODER AND FOR PRODUCING TARGET SIGNALS AT A DECODER	7933769	2007-02-15	2011-04-26

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	STINGRAY IP SOLUTIONS, LLC A-SYSTEM AND METHOD OF INCREASING THE MESSAGE THROUGHPUT IN A-RADIO NETWORK	US6826152B1	9/13/2000	11/30/2004
United States	BROADCAST METHOD IN CHANNEL RESERVATION SYSTEMS AND APPARATUS	US6349210B1	11/3/2000	2/19/2002
United States	METHOD AND APPARATUS FOR COORDINATING CHANNEL ACCESS TO SHARED PARALLEL DATA CHANNELS	US6404756B1	11/3/2000	6/11/2002
United States	Method and apparatus for controlling communication links between network nodes to reduce communication protocol overhead traffic	US6349091B1	11/7/2000	2/19/2002
United States	Method and apparatus for communication network cluster formation and transmission of node link status messages with reduced protocol overhead traffic	US6980537B1	11/13/2000	12/27/2005
United States	Secure wireless LAN device and associated methods	US7440572B2	1/16/2001	10/21/2008
United States	Method and apparatus for on-demand multicast and unicast using content-coded flows in multicast communication	US7184421B1	12/21/2001	2/27/2007
United States	Method and device for establishing communication links between mobile communication systems	US6904032B2	1/10/2002	6/7/2005
United States	Method and device for establishing communication links and handling unbalanced traffic loads in a communication system	US7304972B2	10/25/2002	12/4/2007
United States	Method and device for establishing communication links and detecting interference between mobile nodes in a communication system	US6901064B2	10/25/2002	5/31/2005
United States	Method and device for establishing communication links and handling SR slot connection collisions in a communication system	US6798761B2	10/25/2002	9/28/2004
United States	Method and device for establishing communication links with parallel scheduling operations in a communication system	US6804208B2	10/25/2002	10/12/2004
United States	Wireless communication system with enhanced time slot allocation and interference avoidance/mitigation features and related methods	US6958986B2	3/27/2003	10/25/2005
United States	WIRELESS COMMUNICATION NETWORK INCLUDING DATA PRIORITIZATION AND PACKET RECEPTION ERROR DETERMINATION FEATURES AND RELATED METHODS	US6982987B2	3/27/2003	1/3/2006
United States	Method and device for establishing communication links and for estimating overall quality of a directional link and reporting to QLSR in a communication system	US7027409B2	3/27/2003	4/11/2006

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Wireless-communication-network-including-directional-and-omni-directional-communication-links-and-related-methods	US7333458B2	3/27/2003	2/19/2008
United-States	Methods-and-apparatus-for-synchronously-combining-signals-from-plural transmitters	US7218682B2	2/12/2002	5/15/2007
United-States	Hierarchical-mobile-ad-hoc-network-and-methods-for-performing reactive-routing-therein-using-ad-hoc-on-demand-distance-vector-routing (AODV)	US6718394B2	4/29/2002	4/6/2004
United-States	Admission-control-in-a-mobile-ad-hoc-network	US7007102B2	4/29/2002	2/28/2006
United-States	Traffic-policing-in-a-mobile-ad-hoc-network	US7068600B2	4/29/2002	6/27/2006
United-States	Hierarchical-mobile-ad-hoc-network-and-methods-for-performing reactive-routing-therein-using-dynamic-source-routing (DSR)	US6870846B2	4/29/2002	3/22/2005
United-States	Determining-quality-of-service (QoS)-routing-for-mobile-ad-hoc-networks	US6954435B2	4/29/2002	10/11/2005
United-States	Hierarchical-mobile-ad-hoc-network-and-methods-for-performing reactive-routing-therein	US7281057B2	4/29/2002	10/9/2007
United-States	Hierarchical-mobile-ad-hoc-network-and-methods-for-route-error recovery-therein	US6628620B1	4/29/2002	9/30/2003
United-States	Allocating-channels-in-a-mobile-ad-hoc-network	US7616961B2	4/29/2002	11/10/2009
United-States	Temporary-transition-network-protocol (TTMP)-in-a-mobile-ad-hoc-network	US6754192B2	4/29/2002	6/22/2004
United-States	Tracking-traffic-in-a-mobile-ad-hoc-network	US6578015B2	4/29/2002	11/5/2003
United-States	Mobile-ad-hoc-network-and-methods-for-performing-functions-therein based-upon-weighted-quality-of-service-metrics	US7764617B2	6/19/2002	7/27/2010
United-States	METHOD-AND-APPARATUS-FOR-SECURELY-ENABLING-A-RADIO COMMUNICATION-UNIT-FROM-STANDBY-MODE	US7050775B2	7/11/2002	5/23/2006
United-States	Mobile-ad-hoc-network-including-node-authentication-features-and related-methods	US7581095B2	7/17/2002	8/25/2009
United-States	Multi-channel-mobile-ad-hoc-network	US7027425B2	8/5/2002	4/11/2006
United-States	Monitoring-link-quality-in-a-mobile-ad-hoc-network	US6894985B2	8/5/2002	5/17/2005
United-States	Multiple-path-reactive-routing-in-a-mobile-ad-hoc-network	US6961310B2	8/8/2002	11/4/2005
United-States	Wireless-local-or-metropolitan-area-network-with-intrusion-detection features-and-related-methods	US7224678B2	8/12/2002	5/29/2007
United-States	Mobile-ad-hoc-network-with-intrusion-detection-features-and-related methods	US6986161B2	8/12/2002	1/10/2006

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Mobile ad hoc network with intrusion detection features and related methods	US7082147B2	8/12/2002	7/25/2006
United States	Wireless local or metropolitan area network with intrusion detection features and related methods	US727690B2	8/12/2002	2/5/2008
United States	Intelligent communication node object based on framework in a mobile ad hoc network	US6975614B2	9/4/2002	12/13/2005
United States	Intelligent communication node object based on framework including neighbor discovery in a mobile ad hoc network	US6763013B2	9/4/2002	7/13/2004
United States	Intelligent communication node object based on framework (IGBF) with temporary transition network protocol (TNP) in a mobile ad hoc network	US6763014B2	9/24/2002	7/13/2004
United States	Removable cryptographic ignition key system and method	US761994B2	9/30/2002	7/20/2010
United States	System and method for highly-secure real time tracking and location in three-dimensions	US6833811B2	10/7/2002	12/21/2004
United States	GPS enabled emergency messaging system	US7650136B2	2/2/2007	1/19/2010
United States	A-GPS-ENABLED-EMERGENCY-MESSAGING-SYSTEM	US7184744B1	10/10/2002	2/27/2007
United States	System and method for link-state based proxy forwarding in a network	US7242671B2	12/11/2002	7/10/2007
United States	Mobile ad hoc network (MANET) including forward error correction (FEC), interleaving, and multi-route communication features and related methods	US7216282B2	2/19/2003	5/8/2007
United States	Predictive route maintenance in a mobile ad hoc network	US7453864B2	4/30/2003	11/18/2008
United States	Predictive routing including the use of fuzzy logic in a mobile ad hoc network	US7299038B2	4/30/2003	11/20/2007
United States	PREDICTIVE ROUTING IN A MOBILE AD-HOC NETWORK	US7382765B2	4/30/2003	6/3/2008
United States	Mobile ad hoc network (MANET) providing quality of service (QoS) based unicast and multicast features	US7394826B2	9/9/2003	7/1/2008
United States	Load leveling in mobile ad hoc networks to support end-to-end delay reduction QoS and energy leveling	US7142866B2	9/9/2003	11/28/2006
United States	Mobile ad hoc network (MANET) providing interference reduction features and related methods	US7068605B2	9/9/2003	6/27/2006
United States	Mobile ad hoc network (MANET) with quality of service (QoS) protocol hierarchy and related methods	US7079552B2	9/9/2003	7/18/2006
United States	Mobile ad hoc network (MANET) providing connectivity enhancement features and related methods	US7085290B2	9/9/2003	8/1/2006

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for dynamic voice reservation within wireless networks	US7103374B1	10/22/2003	9/5/2006
United States	PREDICTIVE MOBILE AD-HOC NETWORKING INCLUDING ASSOCIATED SYSTEM AND METHODS	US6717940B2	8/24/2012	5/6/2014
United States	Mobile ad hoc network providing expedited conglomerated broadcast message reply features and related methods	US7468954B2	12/14/2004	12/23/2008
United States	METHOD AND APPARATUS FOR DYNAMIC NEIGHBOR DISCOVERY WITHIN WIRELESS NETWORKS USING TIME DIVISION MULTIPLE ACCESS (TDMA)	US7502360B2	3/4/2005	3/10/2009
United States	Mobile ad hoc network (MANET) and method for implementing multiple paths for fault tolerance	US7742399B2	6/22/2006	6/22/2010
United States	TDMA CHANNEL ACCESS SCHEDULING WITH NEIGHBOR INDIRECT ACKNOWLEDGEMENT ALGORITHM (NBIA) FOR ADHOC NETWORKS	US7768928B2	7/6/2006	8/3/2010
United States	System and method for communicating using a plurality of TDMA mesh networks having efficient bandwidth use	US7733575B2	7/24/2006	8/10/2010
United States	System and method for setting a data rate in tdma communications	US6059578B2	7/24/2006	11/15/2011
United States	Method and apparatus for TimeOfDay Synchronization Between Nodes	US7140944B1	9/15/2006	5/4/2010
United States	Method and System for Efficient Net-Formation and Routing Database Maintenance in a Mobile Adhoc Network	US787450B1	10/11/2006	8/31/2010
United States	Multilayered configurable data fusion systems and methods for power and bandwidth efficient sensor networks	US9461846B2	11/7/2006	10/4/2016
United States	Systems and methods for automatic proactive pattern recognition at a control-center database	US7656288B2	11/7/2006	2/2/2010
United States	Multipurpose unattended ground sensor node with relay capability	US6154598B2	11/14/2006	4/10/2012
United States	Data-path-dynamic-link-maintenance-in-mobile-ad-hoc-networks	US6654627B2	1/9/2007	2/18/2014
United States	System and method for communicating in a time division multiple access (TDMA) mesh network having minimized end-to-end latency	US7894416B2	1/8/2007	2/22/2011
United States	SYSTEM AND METHOD FOR COMMUNICATING OVER MESH NETWORKS USING MANAGED LINK STATE ROUTING	US6213409B2	2/20/2007	7/3/2012
United States	SYSTEM AND METHOD FOR COMMUNICATING OVER MESH NETWORKS USING MANAGED LINK STATE ROUTING	US6488589B2	5/30/2012	7/16/2013
United States	USING MANAGED LINK STATE ROUTING	US7729321B2	2/21/2007	6/12/2010
United States	Nearly collision-free channel access system and method	US7729321B2	2/21/2007	6/12/2010
United States	Synchronization and timing source priority in an ad hoc network	US7729321B2	3/28/2007	6/12/2010

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	TDMA-mobile-ad-hoc-network-(MANET)-with-second-order-timing-and-tracking	US7974402B2	3/29/2007	7/5/2011
United-States	Cluster-head-election-in-an-ad-hoc-network	US6134950B2	4/3/2007	3/13/2012
United-States	Reliable-broadcast-protocol-and-apparatus-for-sensor-networks	US7916666B2	4/3/2007	3/29/2011
United-States	Ad-hoc-network-routing-protocol-including-the-use-of-forward-and-reverse-multi-point-relay-(MPR)-spanning-tree-routes	US7561024B2	4/5/2007	7/14/2009
United-States	TDMA-communications-system-with-configurable-basson-and-associated-method	US6885630B2	6/14/2007	11/11/2014
United-States	Adaptive-power-and-data-rate-control-for-ad-hoc-mobile-wireless-systems	US7983230B1	7/11/2007	7/19/2011
United-States	long-range-scheduling-for-directional-antenna-manet-networks	US7855975B2	8/1/2007	12/21/2010
United-States	Mobile-ad-hoc-network-providing-desired-link-delay-without-guard-times-and-related-methods	US6155093B2	5/22/2008	4/10/2012
United-States	Mobile-ad-hoc-network-providing-communication-latency-reduction-features-and-related-methods	US6537789B2	5/22/2008	9/17/2013
United-States	Asynchronous-dynamic-network-discovery-for-low-power-systems	US7903601B2	11/8/2007	3/8/2011
United-States	Promiscuous-monitoring-using-internet-protocol-enabled-devices	US6331240B2	11/8/2007	12/11/2012
United-States	System-and-method-for-setting-a-data-rate-in-TDMA-communications	US8571004B2	9/28/2011	10/29/2013
United-States	System-and-method-for-setting-a-data-rate-in-TDMA-communications	US6854810B2	12/6/2007	11/8/2011
United-States	Method-and-apparatus-for-carry-warning-of-congestion-in-Ad-hoc-wireless-networks	US6889884B2	4/7/2008	1/3/2012
United-States	Mobile-ad-hoc-network-with-isochronous-communications-and-related-methods	US6809648B2	5/8/2008	8/30/2011
United-States	Multi-tier-ad-hoc-network-in-which-at-least-two-types-of-non-interfering-waves-forms-are-communicated-during-a-timeslot	US6325702B2	8/29/2008	12/4/2012
United-States	Ad-hoc-network-segustion-using-chaotic-sequence-spread-wavesform	US6165065B2	10/9/2008	4/24/2012
United-States	Mobile-wireless-communications-device-with-elasticmetric-scaling-memberane-covering-swich-and-related-methods	US6160657B2	7/24/2009	4/17/2012
United-States	Network-layer-topology-management-for-mobile-ad-hoc-networks-and-associated-methods	US6547875B2	3/29/2010	10/1/2013
United-States	Ad-hoc-wireless-communications-network-with-node-role-information-routing-and-associated-methods	US6247482B2	8/3/2011	1/26/2016

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Mobile ad hoc network with dynamic TDMA slot assignments and related methods	US0942197B2	10/24/2011	1/27/2015
United States	Method to bootstrap into a frequency agile ad hoc network of radios that use a non-deterministic frequency pattern	US0066320B2	2/7/2012	6/23/2015
United States	MANET with DNS database resource management and related methods	US0185070B2	5/17/2012	11/10/2015

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	SUPER-INTERCONNECT TECHNOLOGIES LLC			
United-States	HIGH-DENSITY COLUMN-DRIVERS FOR AN ACTIVE-MATRIX DISPLAY	61008868	1997-09-15	2000-08-08
United-States	CLOCK-AND-DATA-RECOVERY-METHOD-AND-APPARATUS	6693985	2001-10-26	2004-02-17
United-States	SYSTEM-AND-METHOD-FOR-SENDING-AND-RECEIVING-DATA-SIGNALS OVER-A-CLOCK-SIGNAL-LINE	6463092	1999-09-09	2002-10-08
United-States	SYSTEM-AND-METHOD-FOR-CONTROLLING-AN-ACTIVE-MATRIX-DISPLAY	6100879	1997-08-11	2000-08-08
United-States	POWER-SAVING-CIRCUIT-AND-METHOD-FOR-DRIVING-AN-ACTIVE-MATRIX DISPLAY	6271816	1998-09-04	2001-08-07
United-States	CONTROLLABLE-DELAYS-IN-MULTIPLE-SYNCHRONIZED-SIGNALS-FOR REDUCED-ELECTROMAGNETIC-INTERFERENCE-AT-PEAK-FREQUENCIES	6144242	1998-09-04	2000-11-07
United-States	GMOS-DRIVER-AND-ON-CHIP-TERMINATION-FOR-GIGABAUD-SPEED-DATA COMMUNICATION	6560290	1999-01-20	2003-05-06
United-States	SPREAD-SPECTRUM-PHASE-MODULATION-FOR-SUPPRESSION-OF ELECTROMAGNETIC-INTERFERENCE-IN-PARALLEL-DATA-CHANNELS	6600771	1999-01-20	2003-07-29
United-States	FREQUENCY-COMPARATOR-WITH-HYSTESIS-BETWEEN-LOCKED-AND UNLOCKED-CONDITIONS	6959107	2003-01-30	2005-02-22
United-States	TRACKED-3X-OVER-SAMPLING-RECEIVER	7203260	2003-07-03	2007-04-10
United-States	VOLTAGE-CONTROLLED-OSCILLATOR	6888417	2003-07-03	2005-05-03
United-States	DATA-RECOVERY-USING-DATA-EYE-TRACKING	7315598	2006-08-02	2008-01-01
United-States	METHOD-AND-APPARATUS-FOR-DATA-RECOVERY-IN-A-DIGITAL-DATA STREAM-USING-DATA-EYE-TRACKING	7519138	2007-12-20	2009-04-14
United-States	CLOCK-EDGE-MODULATED-SERIAL-LINK-WITH-DC-BALANCE-CONTROL	7627044	2005-10-31	2009-12-01
United-States	COMBINING-A-CLOCK-SIGNAL-AND-A-DATA-SIGNAL	7158593	2002-03-15	2007-01-02
United-States	HIGH-SPEED-AND-HIGH-PRECISION-PHASE-LOCKED-LOOP-HAVING-PHASE DETECTOR-WITH-DYNAMIC-LOGIC-STRUCTURE	5815041	1996-04-12	1998-09-29
United-States	HIGH-SPEED-AND-HIGH-PRECISION-PHASE-LOCKED-LOOP-HAVING-PHASE DETECTOR-WITH-DYNAMIC-LOGIC-STRUCTURE	6157263	1998-06-16	2000-12-05
United-States	HIGH-SPEED-AND-HIGH-PRECISION-PHASE-LOCKED-LOOP	6462624	2000-10-20	2002-10-08
United-States	HIGH-SPEED-AND-HIGH-PRECISION-PHASE-LOCKED-LOOP	6030560	2002-06-25	2005-08-16
United-States	WIDE-RANGE-MULTI-PHASE-DELAY-LOCKED-LOOP	6876240	2003-11-25	2005-04-05

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	TELECONFERENCE SYSTEMS, LLC			
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCEING-SYSTEM	6080526	2004-03-26	2005-12-27
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCEING-SYSTEM	9665759	2005-09-26	2014-03-04
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCEING-SYSTEM	9154734	2013-04-18	2015-10-06
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCEING-SYSTEM	9253444	2015-03-04	2016-02-02
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCEING-SYSTEM	9419939	2015-11-02	2016-08-16
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCEING-SYSTEM	15/207023	2016-07-11	

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	UNIFICATION TECHNOLOGIES, LLC			
United States	Page buffer for non-volatile semiconductor memory device and method of operation	US7324624	5/29/2005	5/29/2007
United States	Row decoder circuit for use in non-volatile memory device	US7286411B2	6/27/2005	10/23/2007
United States	Flash memory and method of fabricating the same	US7348267B2	1/9/2006	3/25/2008
United States	Charge trap type 3-level non-volatile semiconductor memory device and method of dividing the same	US7342827B2	1/26/2006	3/11/2008
United States	Redundancy selector circuit for use in non-volatile memory device	US7315480B2	6/1/2006	1/1/2008
United States	Semiconductor device and method of manufacturing the same	US8012829B2	9/24/2010	9/6/2011
United States	Semiconductor device and method of manufacturing the same	US7626230B2	1/25/2007	12/1/2009
United States	Semiconductor device and method of manufacturing the same	US7825461B2	5/18/2007	11/2/2010
United States	Systems and methods for persistent detection	US8762658	8/3/2012	6/24/2014
United States	Apparatus, system, and method for managing data in a solid state storage device	US8482993	5/1/2012	7/9/2013
United States	Apparatus, system, and method for identifying data that is not long-term use	US8533406	9/7/2012	9/10/2013
United States	Apparatus, system, and method for managing data using a data pipeline	US8533569	8/30/2012	9/10/2013
United States	Systems and methods for identifying storage resources that are not in use	US1038732B	3/15/2007	8/20/2019
United States	Systems and methods for adaptive data storage	US10216569	10/3/2016	2/26/2019
United States	Apparatus, system, and method for validating that correct data is read from a storage device	US8392798	4/9/2012	3/5/2013
United States	Systems and methods for identifying storage resources that are not in use	US10387327	8/4/2016	8/20/2019
United States	Apparatus, system, and method for biasing data in a solid state storage device	US8189407	12/29/2010	5/29/2012
United States	Systems and methods for adaptive error correction coding	US9116823	3/14/2013	8/25/2015
United States	Systems and methods for adaptive data storage	US9495241	3/4/2013	11/15/2016
United States	Apparatus, system, and method for data block usage information synchronization for a non-volatile storage volume	US10558371	12/12/2014	2/11/2020
United States	Systems and methods for storage space recovery	US10146700	9/15/2016	12/4/2018

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	Systems and methods for identifying storage resources that are not in use	US0632727	6/19/2014	4/25/2017
United-States	Systems and methods for storage parallelism	US0454492	12/28/2012	9/27/2016
United-States	Apparatus, system, and method for storage space recovery after recharging a read-only limit	US0074011	11/18/2008	12/6/2011
United-States	Apparatus, system, and method for data block usage information synchronization for a non-volatile storage volume	US0935302	2/23/2010	1/13/2015
United-States	Apparatus, system, and method for converging a storage request into an open data storage element	US0151082	4/6/2008	4/3/2012
United-States	Apparatus, system, and method for efficient mapping of virtual and physical addresses	US0195912	4/6/2008	6/5/2012
United-States	Apparatus, system, and method for managing data in a storage device with an empty data token directive	US0261005	12/6/2007	9/4/2012
United-States	Apparatus, system, and method for ensuring data validity in a data storage process	US0316277	4/5/2008	11/20/2012
United-States	Apparatus, system, and method for validating that a stored data segment is read from a data storage device	US0161353	4/6/2008	4/17/2012
United-States	Apparatus, system, and method for managing data from a requesting device with an empty data token directive	US0296337	12/6/2007	10/23/2012
United-States	Apparatus, system, and method for storage space recovery in solid-state storage	US0402201	12/6/2007	3/19/2013
United-States	Apparatus, system, and method for managing data via a data pipeline	US0266496	12/6/2007	9/11/2012
United-States	Apparatus, system, and method for managing components of solid-state storage using bank interleave	US0575902	12/6/2007	2/14/2017
United-States	Methods of forming nonvolatile memory devices having electrically shielded plates	US0404578B2	1/12/2012	3/26/2013
United-States	Nonvolatile memory devices having electrically shielded source plates	US0116111B2	5/7/2009	2/14/2012
United-States	Apparatus, system, and method to increase data integrity in a redundant storage system	US0304853	9/8/2014	4/5/2016
United-States	Apparatus, system, and method to increase data integrity in a redundant storage system	US0684560	4/4/2016	6/20/2017
United-States	Apparatus, system, and method to increase data integrity in a redundant storage system	US0832528B2	5/18/2010	9/9/2014

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	APPARATUS, SYSTEM, AND METHOD FOR INCREASE DATA INTEGRITY IN A REDUNDANT STORAGE SYSTEM	US0281227	5/18/2009	10/2/2012
United States	Three-dimensional semiconductor devices including select gate patterns having different work function from cell gate patterns	US0410834B2	1/4/2010	2/7/2012
United States	Methods of manufacturing charge trap type memory devices	US0097531B2	3/17/2010	1/17/2012
United States	Semiconductor device with a pick-up region	US0111799B2	5/17/2011	8/18/2015
United States	Systems and methods for persistent address space management	US10133663	10/3/2013	11/20/2018
United States	Systems and methods for recovering data on a storage medium	US10019353	6/24/2013	7/10/2018
United States	Multi-level cell nonvolatile memory system	US0318216B2	3/13/2013	4/19/2016
United States	Three-dimensional semiconductor devices and methods of fabricating the same	US0019799B2	1/10/2014	4/28/2015
United States	Three-dimensional semiconductor devices and methods of fabricating the same	US0224429B2	3/2/2015	12/29/2015
United States	SYSTEMS AND METHODS FOR ADAPTIVE ERROR CORRECTION CODING	US15253334	8/31/2016	
United States	APPARATUS, SYSTEM, AND METHOD FOR MANAGING COMMANDS OF SQLD-STATE STORAGE USING BANK INTERLEAVE	US15402936	1/10/2017	
United States	APPARATUS, SYSTEM, AND METHOD TO INCREASE DATA INTEGRITY IN A REDUNDANT STORAGE SYSTEM	US15596939	5/16/2017	
United States	Systems and Methods for Referencing Data on a Storage Medium	US16030232	7/9/2018	
United States	Systems and Methods for Persistent Address Space Management	US16177698	11/1/2018	
United States	SYSTEMS AND METHODS FOR STORAGE PARALLELISM	US16204947	11/29/2018	
United States	Systems and Methods for Adaptive Data Storage	US16245233	1/11/2019	
United States	Systems and Methods for Identifying Storage Resources That Are Not in Use	US16543464	8/16/2019	
United States	[No Title]	US16752458	1/24/2020	

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6140897

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	PATENT SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
ACACIA RESEARCH GROUP LLC	06/04/2020
AMERICAN VEHICULAR SCIENCES LLC	06/04/2020
BONUTTI SKELETAL INNOVATIONS LLC	06/04/2020
CELLULAR COMMUNICATIONS EQUIPMENT LLC	06/04/2020
INNOVATIVE DISPLAY TECHNOLOGIES LLC	06/04/2020
LIFEPORT SCIENCES LLC	06/04/2020
LIMESTONE MEMORY SYSTEMS LLC	06/04/2020
MERTON ACQUISITION HOLDCO LLC	06/04/2020
MOBILE ENHANCEMENT SOLUTIONS LLC	06/04/2020
MONARCH NETWORKING SOLUTIONS LLC	06/04/2020
NEXUS DISPLAY TECHNOLOGIES LLC	06/04/2020
PARTHENON UNIFIED MEMORY ARCHITECTURE LLC	06/04/2020
R2 SOLUTIONS LLC	06/04/2020
SAINT LAWRENCE COMMUNICATIONS LLC	06/04/2020
STINGRAY IP SOLUTIONS LLC	06/04/2020
SUPER INTERCONNECT TECHNOLOGIES LLC	06/04/2020
TELECONFERENCE SYSTEMS LLC	06/04/2020
UNIFICATION TECHNOLOGIES LLC	06/04/2020

RECEIVING PARTY DATA

Name:	STARBOARD VALUE INTERMEDIATE FUND LP, AS COLLATERAL AGENT
Street Address:	777 THIRD AVENUE
Internal Address:	18TH FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10017

PROPERTY NUMBERS Total: 3019

Property Type	Number
Patent Number:	6772142
Patent Number:	6349135

PATENT

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Patent Number:	8795363
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Patent Number:	8858557
Patent Number:	8840629
Application Number:	14725070
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Application Number:	90005433
Application Number:	08457293
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Application Number:	10991539
Application Number:	15966162
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Application Number:	16245233
Application Number:	16543464
Application Number:	16752458

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ATTORNEY DOCKET NUMBER:	069902-0049
NAME OF SUBMITTER:	SCOTT KAREFF (069902-0049)
SIGNATURE:	/rr for sk/
DATE SIGNED:	06/05/2020

Total Attachments: 167

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PATENT SECURITY AGREEMENT

WHEREAS, each Grantor (as defined in the Security Agreement) that is party hereto (each, a “Grantor” and collectively, the “Grantors”) holds all right, title and interest in the letter patents, design patents and utility patents, and all applications therefor, listed on the annexed Schedule 1A, as applicable, which patents are issued or applied for in the United States Patent and Trademark Office (the “Patents”);

WHEREAS, each Grantor has entered into a Pledge and Security Agreement, dated as of June 4, 2020 (as amended, restated or otherwise modified from time to time the “Security Agreement”), in favor of Starboard Value Intermediate Fund LP, as collateral agent for certain buyers (the “Grantee”);

WHEREAS, pursuant to the Security Agreement, each Grantor has granted to the Grantee for the benefit of the Buyers (as defined in the Security Agreement) a continuing security interest in all right, title and interest of such Grantor in, to and under the Patents, including, without limitation, all applications, registrations and recordings thereof, as applicable, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement, misappropriation or other violation thereof and any and all damages arising from past, present and future infringements, misappropriations or other violations thereof (the “Collateral”), to secure the payment, performance and observance of the “Secured Obligations” (as defined in the Security Agreement);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor does hereby pledge, convey, and set over unto the Grantee and grants to the Grantee for the benefit of the Buyers a continuing security interest in the Collateral. Other than as permitted upon the occurrence and during the continuance of an Event of Default (as defined in the Security Agreement), nothing in this Patent Security Agreement or the Security Agreement assigns or transfers to Grantee any control or ownership interest in any of the Collateral, and such Grantor retains any and all such rights.

Each Grantor does hereby further acknowledge and affirm that the rights and remedies of the Grantee with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of a conflict between any provision of this Patent Security Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

IN WITNESS WHEREOF, each Grantor has caused this Patent Security Agreement to be duly executed by its officer thereunto duly authorized as of June 4, 2020.

ACACIA RESEARCH GROUP LLC




By: _____

Name: Marc Booth

Title: Chief Executive Officer

AMERICAN VEHICULAR SCIENCES LLC

By:  _____

Name: Marc Booth

Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]

BONUTTI SKELETAL INNOVATIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

**CELLULAR COMMUNICATIONS EQUIPMENT
LLC**



By: _____

Name: Marc Booth

Title: Chief Executive Officer

INNOVATIVE DISPLAY TECHNOLOGIES LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]

LIFEPORT SCIENCES LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

LIMESTONE MEMORY SYSTEMS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]

MERTON ACQUISITION HOLDCO LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]

MOBILE ENHANCEMENT SOLUTIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

MONARCH NETWORKING SOLUTIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]

NEXUS DISPLAY TECHNOLOGIES LLC

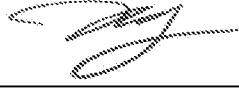


By: _____

Name: Marc Booth

Title: Chief Executive Officer

**PARTHENON UNIFIED MEMORY
ARCHITECTURE LLC**



By: _____

Name: Marc Booth

Title: Chief Executive Officer

R2 SOLUTIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]

SAINT LAWRENCE COMMUNICATIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

[Signature Page to Patent Security Agreement]

STINGRAY IP SOLUTIONS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

SUPER INTERCONNECT TECHNOLOGIES LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

TELECONFERENCE SYSTEMS LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

UNIFICATION TECHNOLOGIES LLC



By: _____

Name: Marc Booth

Title: Chief Executive Officer

SCHEDULE 1A TO PATENT SECURITY AGREEMENT

(see attached)

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	ACACIA RESEARCH GROUP LLC METHOD AND APPARATUS FOR COLLECTING AND EXPRESSING GEOGRAPHICALLY-REFERENCED DATA	6772142	2000-10-31	2004-08-03
United States	METHOD AND SYSTEM FOR A WIRELESS DIGITAL MESSAGE SERVICE	6349135	1998-09-01	2002-02-19
United States	AUTOMATED SECURITY AND REORDER SYSTEM FOR TRANSPONDER TAGGED ITEMS	6988080	2001-02-14	2006-01-17
United States	INDIVIDUAL ADJUSTMENT OF PIT AND LAND TRANSITION LOCATIONS IN AN OPTICAL DISC MASTERING PROCESS	6469969	2001-08-21	2002-10-22
United States	VARYING THE RATE AT WHICH DATA APPEAR ON AN OPTICAL DISC ROTATED AT A CONSTANT LINEAR VELOCITY TO PREVENT UNAUTHORIZED DUPLICATION OF THE DISC	6477124	2001-05-18	2002-11-05
United States	COPY PROTECTION THROUGH SYMBOL SUBSTITUTION AND INDUCED ERRORS	6738122	2001-02-23	2004-03-30
United States	HIDING DIGITAL DATA IN A DIGITAL AUDIO OR VIDEO CARRIER SIGNAL	6768709	2001-02-23	2004-07-27
United States	METHOD OF MAKING A VERTICAL INTEGRATED CIRCUIT	5766984	1995-09-22	1998-06-16
United States	WIRING METHOD FOR PRODUCING A VERTICAL, INTEGRATED CIRCUIT STRUCTURE AND VERTICAL, INTEGRATED CIRCUIT STRUCTURE	6448174	2000-10-05	2002-09-10
United States	METHOD OF VERTICALLY INTEGRATING ELECTRIC COMPONENTS BY MEANS OF BACK CONTACTING	6548391	2002-03-18	2003-04-15
United States	METHOD FOR PRODUCING THREE-DIMENSIONAL CIRCUITS	6564132	2001-11-29	2003-12-16
United States	ELECTROMAGNETICALLY SHIELDED HEARING AIDS	6031823	1997-04-07	2000-02-29
United States	HAND HELD CONTROL DEVICE WITH DUAL MODE JOYSTICK FOR POINTING AND SCROLLING	7176882	2004-05-11	2007-02-13
United States	INTEGRATED GPS/INTERFERENCE LOCATION SYSTEM	5936571	1997-01-31	1999-08-10
United States	DEFINING A UNIFORM SUBJECT CLASSIFICATION SYSTEM INCORPORATING DOCUMENT MANAGEMENT/RECORDS RETENTION FUNCTIONS	6185576	1998-10-21	2001-02-06
United States	METHOD AND SYSTEM FOR ACQUIRING BRANDED PROMOTIONAL PRODUCTS	7127415	1999-11-16	2006-10-24
United States	INDUCTANCE REDUCED WIRE-BONDING TYPE SEMICONDUCTOR DEVICE	5798571	1996-07-02	1998-08-25
United States	VOLTAGE BOOSTER CIRCUIT	5812018	1997-01-13	1998-05-22
United States	BRIDGE CIRCUITRY COMPRISING SERIES CONNECTION OF VERTICAL AND LATERAL MOSFETS	5818282	1997-02-07	1998-10-06

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR STORAGE DEVICE	5818773	1997-08-28	1998-10-08
United States	HIGH VOLTAGE GENERATING CIRCUIT ABLE TO GENERATE POSITIVE HIGH VOLTAGE AND NEGATIVE HIGH VOLTAGE AT THE SAME TIME	5831844	1997-08-13	1998-11-03
United States	DIFFERENTIAL AMPLIFIER	5847598	1997-05-14	1998-12-08
United States	OUTPUT CIRCUIT WITH OVERVOLTAGE PROTECTION	5864245	1996-10-17	1999-01-26
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	5949699	1998-06-25	1999-09-07
United States	SEMICONDUCTOR DEVICE INCORPORATING A STEPPED CONTACT HOLE	5952724	1997-06-19	1999-09-14
United States	SENSE AMPLIFIER CIRCUIT HAVING HIGH SPEED OPERATION	5999470	1997-07-22	1999-12-07
United States	SEMICONDUCTOR DEVICE WITH CONDUCTIVE PLUGS	6004839	1997-02-20	1999-12-21
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE WITH DUMMY PATTERN FOR EQUALIZING THICKNESS OF INTER-LEVEL INSULATING STRUCTURE	6023096	1997-12-22	2000-02-08
United States	SEMICONDUCTOR INTEGRATED CIRCUIT MEMORY	6023442	1997-08-11	2000-02-08
United States	DIFFERENTIAL AMPLIFIER WITH INPUT SIGNAL DETERMINED STANDBY STATES	6028458	1998-01-22	2000-02-22
United States	VARIABLE CURRENT SOURCE WITH DEVIATION COMPENSATION	6031366	1998-08-19	2000-02-29
United States	SEMICONDUCTOR DEVICE ASSEMBLY METHOD AND SEMICONDUCTOR DEVICE PRODUCED BY THE METHOD	6046077	1998-12-30	2000-04-04
United States	OUTPUT CIRCUIT FREE FROM OVERSHOOT AND UNDERSHOOT ON SIGNAL LINES ALTERNATELY DRIVEN IN POSITIVE POTENTIAL RANGE AND NEGATIVE POTENTIAL RANGE	6046633	1998-12-21	2000-04-04
United States	FABRICATION METHOD OF SEMICONDUCTOR DEVICE USING CMP PROCESS	6096632	1998-04-10	2000-08-01
United States	INPUT CIRCUIT HAVING CURRENT CONTROL	6121792	1998-09-25	2000-09-19
United States	SOI-MOS FIELD EFFECT TRANSISTOR THAT WITHDRAWS EXCESS CARRIER THROUGH A CARRIER PATH SILICON LAYER	6124613	1998-05-04	2000-09-26
United States	SEMICONDUCTOR MEMORY DEVICE	6130846	1999-02-05	2000-10-10
United States	BOOSTING CIRCUIT USING 2-STEP BOOSTING OPERATION	6137733	1999-10-04	2000-10-24
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE HAVING MULTILAYER WIRING	6140225	1998-06-25	2000-10-31
United States	BOOSTING CIRCUIT WITH BOOSTED VOLTAGE LIMITED	6141262	1999-04-07	2000-10-31
United States	SYNCHRONOUS BUFFER CIRCUIT AND DATA TRANSMISSION CIRCUIT HAVING THE SYNCHRONOUS BUFFER CIRCUIT	6172539	1999-05-28	2001-01-09

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	POWER-ON CIRCUIT BUILT IN IC	6198319	1999-11-26	2001-03-08
United States	EMBEDDED LSI HAVING A FERAM SECTION AND A LOGIC CIRCUIT SECTION	6218197	2000-06-29	2001-04-17
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE HAVING MULTILAYER WIRING	6225217	1999-11-12	2001-05-01
United States	STATIC RANDOM ACCESS MEMORY (SRAM) CIRCUIT	6259623	2000-08-16	2001-07-10
United States	PROGRAM COMPLETE SYSTEM AND ITS COMPILE METHOD FOR EFFICIENTLY COMPILING A SOURCE PROGRAM INCLUDING AN INDIRECT CALL FOR A PROCEDURE	6292940	1999-01-26	2001-09-18
United States	CAPACITOR HAVING FIRST AND SECOND PROTECTIVE FILMS	6295195	1999-12-28	2001-09-25
United States	COMPILING METHOD FOR GENERATING TARGET PROGRAM IN ACCORDANCE WITH TARGET PROCESSOR TYPE, COMPILING DEVICE, RECORDING MEDIUM WITH COMPILING PROGRAM RECORDED THEREIN AND RECORDING MEDIUM WITH CONVERSION TABLE USED IN COMPILING RECORDED THEREIN	6305048	1999-04-01	2001-10-16
United States	BOOSTING CIRCUIT	6341077	2000-10-31	2002-01-22
United States	INPUT CIRCUIT, OUTPUT CIRCUIT, AND INPUT/OUTPUT CIRCUIT AND SIGNAL TRANSMISSION SYSTEM USING THE SAME INPUT/OUTPUT CIRCUIT	6366126	1999-12-10	2002-04-02
United States	FAN FILTER UNIT FOR CLEANROOM	6368393	2000-07-13	2002-04-09
United States	FERROELECTRIC MEMORY INCLUDING FERROELECTRIC CAPACITOR, ONE OF WHOSE ELECTRODES IS CONNECTED TO METAL SILICIDE FILM	6389140	2000-11-02	2002-05-07
United States	NON-VOLATILE SEMICONDUCTOR DEVICE AND NON-VOLATILE SEMICONDUCTOR MEMORY DEVICE FOR STORING MULTI-VALUE INFORMATION	6441425	2000-10-10	2002-08-27
United States	SEMICONDUCTOR STORAGE DEVICE DATA SENSING METHOD AND APPARATUS	6442081	2001-04-25	2002-08-27
United States	COPPER WIRING STRUCTURE COMPRISING A COPPER MATERIAL BURIED IN A HOLLOW OF AN INSULATING FILM AND A CARBON LAYER BETWEEN THE HOLLOW AND THE COPPER MATERIAL IN SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME	6486559	1998-06-25	2002-11-26
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING SAME	6849950	2000-06-27	2005-02-01
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME	6060765	1998-07-08	2000-05-09

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6066508	1998-06-03	2000-05-28
United States	METHOD OF FABRICATING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING AN INTERLEVEL DIELECTRIC LAYER WITH VOIDS BETWEEN NARROWLY-SPACED WIRING LINES	6162723	1998-12-14	2000-12-19
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	6194758	1998-06-11	2001-02-27
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE AND METHOD OF MANUFACTURING SAME	6255151	1998-12-11	2001-07-03
United States	METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE	6300206	2000-03-03	2001-10-09
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6319860	2000-04-18	2001-11-20
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6423992	2001-05-15	2002-07-23
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6521550	2001-10-19	2003-02-18
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	6545326	2001-07-24	2003-04-08
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6602808	2001-12-13	2003-08-05
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	6610564	2001-07-24	2003-08-26
United States	SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE	6924192	2003-10-31	2005-08-02
United States	SEMICONDUCTOR DEVICE COMPRISING A HIGHLY-RELIABLE, CONSTANT CAPACITANCE CAPACITOR	6940110	2001-01-10	2005-09-06
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7118983	2005-06-30	2006-10-10
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7439132	2006-01-23	2008-10-21
United States	SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE	7439569	2006-06-20	2008-10-21
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	8471321	2010-09-13	2013-06-25
United States	SRAM WITH STACKED CAPACITOR SPACED FROM GATE ELECTRODES	5780910	1996-07-17	1998-07-14
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6030865	1998-04-28	2000-02-28

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6171892	1998-02-18	2001-01-09
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6245611	1999-11-05	2001-06-12
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	6396111	2001-04-17	2002-05-28
United States	SEMICONDUCTOR DEVICE WITH SILICIDE LAYERS AND METHOD OF FORMING THE SAME	6399485	2000-07-28	2002-06-04
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	6476453	2001-12-03	2002-11-05
United States	MEMORY SYSTEM ALLOWING FAST OPERATION OF PROCESSOR WHILE USING FLASH MEMORY INCAPABLE OF RANDOM ACCESS	6810444	2003-02-25	2004-10-26
United States	SEMICONDUCTOR DEVICE WITH SEAL RING	7805448	2005-09-08	2009-10-20
United States	SEMICONDUCTOR DEVICE	7884031	2009-06-15	2011-02-08
United States	SEMICONDUCTOR CHIP WITH SEAL RING AND SACRIFICIAL CORNER PATTERN	8018030	2009-03-24	2011-09-13
United States	SEMICONDUCTOR CHIP WITH SEAL RING AND SACRIFICIAL CORNER PATTERN	8963291	2011-05-20	2015-02-24
United States	SEMICONDUCTOR CHIP WITH SEAL RING AND SACRIFICIAL CORNER PATTERN	9368459	2014-12-23	2016-06-14
United States	Method And Nonvolatile Semiconductor Memory For Repairing Over-Frased Cells	5844847	1996-12-06	1998-12-01
United States	Semiconductor Device Capable Of Operating Stably With Reduced Power Consumption	6046627	1998-02-20	2000-04-04
United States	High Speed Semiconductor Memory Apparatus Including Circuitry To Increase Writing And Reading Speed	6091629	1997-08-06	2000-07-18
United States	Non-Volatile Semiconductor Memory Device For Selective Cell Flash Erasing/Programming	6111792	1999-03-15	2000-08-29
United States	Information Processing Apparatus Having A Bus Using The Protocol Of The Acknowledge Type In The Source Clock Synchronous System	6539444	1999-09-03	2003-03-25
United States	Semiconductor Memory Apparatus, Semiconductor Apparatus, Data Processing Apparatus And Computer System	6665209	2002-12-17	2008-12-16
United States	Information Processing Apparatus	6665807	1999-09-03	2003-12-16

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Semiconductor Memory Apparatus, Semiconductor Apparatus, Data Processing Apparatus And Computer System	6839268	2003-10-17	2005-01-04
United States	Semiconductor Device	7560975	2007-01-05	2009-07-14
United States	SEMICONDUCTOR DEVICE WITH AN ACTIVE REGION AND PLURAL DUMMY REGIONS	6693315	2001-11-02	2004-02-17
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7071560	2003-12-31	2006-07-04
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7411302	2006-05-10	2008-08-12
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7589423	2007-05-24	2009-09-15
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7687914	2007-10-30	2010-03-30
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	7948086	2010-03-01	2011-05-24
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING AN ACTIVE REGION AND DUMMY PATTERNS	8119495	2011-04-28	2012-02-21
United States	SEMICONDUCTOR DEVICE HAVING ACTIVE REGION AND DUMMY WIRINGS	8426969	2012-01-31	2013-04-23
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	8604505	2013-04-08	2013-12-10
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE INCLUDING DUMMY REGIONS AND DUMMY WIRINGS	9064986	2013-12-09	2015-06-23
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	9337147	2015-06-19	2016-05-10
United States	Intermediate potential generating circuit	5869997	1997-01-08	1999-02-09
United States	Speech recognition system	5909665	1997-05-29	1999-06-01
United States	Semiconductor integrated circuit	5914905	1997-11-05	1999-06-22
United States	Chopper comparator showing high speed and low power operations free of malfunction under variation of logical threshold voltage of inverter	5959469	1997-09-22	1999-09-28
United States	Amplifier circuit of latch type which is used for semiconductor memory device	5982689	1997-11-03	1999-11-09
United States	Image data storing method and image data storing device	6020902	1998-03-04	2000-02-01

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Input buffer circuit for semiconductor IC circuit	60912277	1999-01-19	2000-07-18
United States	Semiconductor integrated circuit having controlled output resistance of an output buffer circuit	6094069	1998-07-20	2000-07-25
United States	Operational amplifier having a wide input/output range and an improved slew rate	6100762	1998-09-03	2000-08-08
United States	System including a ferroelectric memory	6131177	1997-08-18	2000-10-10
United States	Semiconductor integrated circuit device	6151256	1999-10-20	2000-11-21
United States	Charge pump circuit for phase locked loop free from spike current	6163187	1999-07-19	2000-12-19
United States	Pulse generator with improved high speed performance for generating a constant pulse width	6198327	1999-03-15	2001-03-06
United States	Semiconductor chip having a low-noise ground line	6201308	1998-09-15	2001-03-13
United States	Variable frequency oscillator, and phase locked loop and clock synchronizer using thereof	6215364	1999-04-09	2001-04-10
United States	Semiconductor integrated circuit device	6243279	1998-09-16	2001-06-05
United States	Semiconductor integrated circuit device	6252788	1999-10-20	2001-06-26
United States	System including a ferroelectric memory	6321360	2000-05-26	2001-11-20
United States	Data processor having unified memory architecture providing priority memory access	6333745	1997-09-29	2001-12-25
United States	Semiconductor integrated circuit	6337593	2000-01-27	2002-01-08
United States	Semiconductor chip having a low-noise ground line	6370920	2000-09-27	2002-04-23
United States	Semiconductor integrated circuit	6483374	2000-06-23	2002-11-19
United States	Variable frequency oscillator and phase locked loop and clock synchronizer using thereof	6535070	2001-01-05	2003-03-18
United States	Semiconductor integrated circuit	6600360	2002-09-20	2003-07-29
United States	One-chip microcomputer capable of internally producing ECC data	6604214	1999-04-06	2003-08-05
United States	Semiconductor integrated circuit	6707334	2003-05-23	2004-03-16
United States	Processor for controlling substrate biases in accordance to the operation modes of the processor	6715090	1999-05-20	2004-03-30
United States	Microprocessor	6789207	2000-12-18	2004-09-07
United States	Semiconductor integrated circuit	6987415	2004-01-29	2006-01-17
United States	Semiconductor integrated circuit	7046075	2005-06-06	2006-05-16

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Semiconductor integrated circuit	7321252	2006-04-04	2008-01-22
United States	Data processor having unified memory architecture using register to optimize memory access	7333116	2005-07-18	2008-02-19
United States	Substrate bias switching unit for a low power processor	7475261	2004-02-02	2009-01-06
United States	Substrate bias switching unit for a low power processor	8364988	2011-05-07	2013-01-29
United States	METHOD OF FABRICATING ELECTROSTATIC DISCHARGE DEVICE	5985722	1997-08-13	1999-11-16
United States	STATIC RAM HAVING CELL TRANSISTORS WITH LONGER GATE ELECTRODES THAN TRANSISTORS IN THE PERIPHERY OF THE CELL	6043540	1997-09-29	2000-03-28
United States	SEMICONDUCTOR DEVICE	6064089	1997-07-25	2000-05-16
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE	60996641	1999-06-04	2000-08-01
United States	SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME	61000591	1999-05-18	2000-08-08
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE AND A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6121086	1999-06-14	2000-09-19
United States	LEAD ON CHIP SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME	6137159	1999-02-26	2000-10-24
United States	SEMICONDUCTOR DEVICE	6150727	1996-09-16	2000-11-21
United States	SEMICONDUCTOR DEVICE WITH IMPROVED PLANARITY AND REDUCED PARASITIC CAPACITANCE	6153918	1998-08-21	2000-11-28
United States	SEMICONDUCTOR INTEGRATED CIRCUIT WITH REDUCED DEVICE AND INTERCONNECTION AREAS	6157249	1999-06-28	2000-12-05
United States	METHOD OF ETCHING TO FORM HIGH TOLERANCE POLYSILICON RESISTORS	6180475	1999-04-30	2001-01-30
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICES	6204184	1999-03-26	2001-03-20
United States	MEMORY CIRCUIT/LOADING CIRCUIT INTEGRATED DEVICE CAPABLE OF REDUCING TERM OF WORKS	6208547	1999-07-21	2001-03-27
United States	REDUNDANT FUSE BLOCK HAVING A SMALL OCCUPIED AREA	6215173	1999-11-12	2001-04-10
United States	SEMICONDUCTOR DEVICE, AND MANUFACTURING METHOD THEREFOR	6228755	1999-03-12	2001-05-08
United States	METHOD OF MANUFACTURING MISFET	6235564	2000-01-20	2001-05-22
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	6309958	1999-09-08	2001-10-30
United States	METHOD OF FABRICATING A SEMICONDUCTOR DEVICE	6309960	2000-03-22	2001-10-30
United States	ELECTRODE STRUCTURE OF SEMICONDUCTOR ELEMENT	6313540	1999-12-22	2001-11-06

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE HAVING CAPACITIVE ELEMENT STRUCTURE AND MULTILEVEL INTERCONNECTION STRUCTURE AND METHOD OF FABRICATING THE SAME	6316801	1999-03-04	2001-11-13
United States	SEMICONDUCTOR DEVICE INTERCONNECTION STRUCTURE	6316836	1999-05-26	2001-11-13
United States	METHOD OF FABRICATING A LEAD-ON-CHIP (LOC) SEMICONDUCTOR DEVICE	6335227	2000-10-18	2002-01-01
United States	MEMORY CIRCUIT/LOGIC CIRCUIT INTEGRATED DEVICE CAPABLE OF REDUCING TERM OF WORKS	6335875	2001-01-26	2002-01-01
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE	6344388	1999-06-04	2002-02-05
United States	MULTILAYERED SEMICONDUCTOR DEVICE	6369446	1999-11-15	2002-04-09
United States	PHOTOELECTRIC CONVERSION DEVICE AND METHOD OF MANUFACTURING THE SAME	6407447	2000-06-14	2002-06-18
United States	SEMICONDUCTOR DEVICE HAVING GATE INSULATING LAYERS DIFFERENT IN THICKNESS AND MATERIAL AND PROCESS FOR FABRICATION THEREOF	6475862	2000-08-10	2002-11-05
United States	MEMORY CIRCUIT/LOGIC CIRCUIT INTEGRATED DEVICE CAPABLE OF REDUCING TERM OF WORKS	6477075	2001-12-06	2002-11-05
United States	METHOD OF ARRANGING EXPOSED AREAS INCLUDING A LIMITED NUMBER OF TEST ELEMENT GROUP (TEG) REGIONS ON A SEMICONDUCTOR WAFER	6492189	2000-10-26	2002-12-10
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICES	6498100	2001-11-30	2002-12-24
United States	SEMICONDUCTOR DEVICE AND A MANUFACTURING PROCESS THEREFOR	6514853	2000-06-13	2003-02-04
United States	METHOD OF MANUFACTURING A PACKAGED SEMICONDUCTOR DEVICE, AND A SEMICONDUCTOR DEVICE MANUFACTURED THEREBY	6544814	2000-01-31	2003-04-08
United States	SEMICONDUCTOR DEVICE AND FABRICATION METHOD THEREOF	6548900	1999-10-21	2003-04-15
United States	SEMICONDUCTOR DEVICE WITH DUMMY PATTERNS	6563148	2001-04-10	2003-05-13
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING SILICIDE LAYERS	6569742	1999-12-23	2003-05-27
United States	METHOD OF MANUFACTURING AN EEPROM DEVICE	6576512	2002-09-23	2003-06-10
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF	6580113	1999-06-28	2003-06-17
United States	SOLID-STATES IMAGING DEVICE AND METHOD FOR FABRICATING SAME	6603144	2000-12-08	2003-08-05
United States	SEMICONDUCTOR DEVICE HAVING CAPACITIVE ELEMENT STRUCTURE AND MULTILEVEL INTERCONNECTION STRUCTURE AND METHOD OF FABRICATING THE SAME	6603203	2001-07-12	2003-08-15

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE WITH A PARTICULAR CONDUCTOR ARRANGEMENT	6639288	2000-06-19	2003-10-28
United States	SEMICONDUCTOR DEVICE AND MOUNTED SEMICONDUCTOR DEVICE STRUCTURE	6639315	2001-08-10	2003-10-28
United States	COPPER INTERCONNECTION	6670639	2001-12-11	2003-12-30
United States	MULTILAYERED SEMICONDUCTOR DEVICE	6713872	2002-04-03	2004-03-30
United States	SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME	6740584	1997-09-23	2004-05-25
United States	SEMICONDUCTOR DEVICE WITH A FIRST DUMMY PATTERN	6753246	2003-04-22	2004-06-22
United States	SEMICONDUCTOR PRODUCT WAFER HAVING VERTICALLY AND HORIZONTALLY ARRANGED PATTERNED AREAS INCLUDING A LIMITED NUMBER OF TEST ELEMENT GROUP REGIONS	6762433	2002-09-19	2004-07-13
United States	SEMICONDUCTOR MEMORY DEVICE AND MANUFACTURING METHOD THEREOF	6891134	2002-07-26	2004-09-14
United States	SEMICONDUCTOR MEMORY DEVICE	6791200	2002-12-19	2004-09-14
United States	SEMICONDUCTOR MEMORY DEVICE HAVING LARGE STORAGE CAPACITY AND MINIMAL STEP HEIGHT BETWEEN MEMORY CELL AND PERIPHERAL CIRCUITS	6798005	2002-07-29	2004-09-28
United States	SEMICONDUCTOR DEVICE, DESIGNING METHOD AND DESIGNING DEVICE THEREOF	6838770	2001-06-27	2005-01-04
United States	SEMICONDUCTOR WAFER SURFACE AND METHOD OF TREATING A SEMICONDUCTOR WAFER SURFACE	6897150	2000-11-20	2005-05-24
United States	SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME	6900539	2002-10-17	2005-05-31
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING A GATE ELECTRODE HAVING A SALICIDE LAYER THEREON	6908837	2002-09-23	2005-06-21
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7166893	2002-05-23	2007-01-23
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	7977158	2010-07-08	2011-07-12
United States	SEMICONDUCTOR DEVICE AND DUMMY PATTERN ARRANGEMENT METHOD	8072078	2009-12-07	2011-12-06
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	8278143	2011-06-22	2012-09-02
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6555056	2001-06-06	2003-03-18
United States	MICROPROCESSOR INTERNALLY PROVIDED WITH TEST CIRCUIT	6816983	2001-02-20	2004-11-09

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	6841420	2003-09-11	2005-01-11
United States	MICROCOMPUTER AND MICROCOMPUTER SYSTEM	6907514	2004-07-12	2005-06-14
United States	SEMICONDUCTOR DEVICE WITH CONTACTING ELECTRODES	6919646	2003-03-11	2005-07-19
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6970036	2004-06-07	2005-11-29
United States	SOLID-STATES IMAGE PICKUP DEVICE	7030918	2000-06-27	2006-04-18
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7161414	2005-11-03	2007-01-09
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7352236	2006-12-13	2008-04-01
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7696813	2008-02-04	2010-04-13
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7830204	2010-02-26	2010-11-09
United States	SEMICONDUCTOR DEVICE AND METHOD FOR CUTTING ELECTRIC FUSE	7899913	2007-05-11	2011-08-02
United States	SEMICONDUCTOR DEVICE	8073643	2008-05-18	2011-12-06
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	8258589	2011-02-09	2012-09-04
United States	SEMICONDUCTOR DEVICE	8304905	2011-07-27	2012-11-06
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	8372709	2012-08-14	2013-02-12
United States	METHOD FOR CUTTING AN ELECTRIC FUSE	8372730	2011-06-23	2013-02-12
United States		6358405	2000-01-25	2002-02-19
United States		6356488	2000-06-07	2002-03-12
United States		6399399	2001-04-25	2002-06-04
United States		6466484	2002-01-28	2002-10-15
United States		6545934	2001-04-24	2003-04-08
United States		6567315	2001-12-12	2003-05-20
United States		6586807	2001-02-07	2003-07-01
United States		6603692	2001-06-13	2003-08-05
United States		6635912	2001-09-07	2003-10-21
United States		6717434	2001-09-27	2004-04-06
United States		6744684	2001-02-07	2004-06-01
United States		6751144	2002-05-29	2004-06-15

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States		6791884	2002-12-23	2004-09-14
United States		6853582	2002-12-23	2005-02-08
United States		7130218	2005-01-25	2006-10-31
United States		7317640	2006-08-15	2008-01-08
United States		8017943	2007-07-22	2011-09-13
United States		8116395	2008-10-16	2012-02-14
United States		6785852	2001-07-26	2004-08-31
United States		6785858	2001-02-01	2004-08-31
United States		6791877	2002-06-10	2004-09-14
United States		6798656	2003-02-12	2004-09-28
United States		6807101	2002-12-23	2004-10-19
United States		6952368	2004-06-07	2005-10-04
United States		7068562	2005-06-13	2006-06-27
United States		7280426	2006-05-24	2007-10-09
United States		7334080	2005-05-03	2008-02-19
United States		7554830	2007-05-08	2009-06-30
United States		7581058	2007-12-24	2009-08-25
United States		7892895	2009-05-21	2011-01-18
United States		8432718	2010-12-06	2013-04-30
United States	POWER-ON RESET SIGNAL GENERATOR FOR SEMICONDUCTOR DEVICE	5936443	1996-07-03	1999-08-10
United States	VARIABLE DELAY CIRCUIT FOR VARYING DELAY TIME AND PULSE WIDTH	5949268	1997-08-15	1999-09-07
United States	SEMICONDUCTOR DEVICE OF HIERARCHICAL POWER SOURCE STRUCTURE	6107700	1998-11-13	2000-08-22
United States	SEMICONDUCTOR DEVICE	6944078	2004-07-16	2005-09-13
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING PROCESS THEREOF	5719426	1996-11-05	1998-02-17
United States	SEMICONDUCTOR INTEGRATED CIRCUIT	5892276	1997-04-17	1999-04-06
United States	SEMICONDUCTOR DEVICE HAVING A FLOATING NODE THAT CAN MAINTAIN A PREDETERMINED POTENTIAL FOR LONG TIME, A SEMICONDUCTOR MEMORY DEVICE HAVING HIGH DATA MAINTENANCE PERFORMANCE, AND A METHOD OF MANUFACTURING THEREOF	5893728	1996-10-16	1999-04-13

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE HAVING MISALIGNMENT RESISTIVE INTERCONNECT LAYERS	5920124	1997-05-23	1999-07-08
United States	METHOD OF MAKING TOTAL DIELECTRIC SEMICONDUCTOR DEVICE ISOLATION REGION	5933745	1997-10-08	1999-08-03
United States	SEMICONDUCTOR INTEGRATED CIRCUIT	5986294	1999-01-07	1999-11-16
United States	SEMICONDUCTOR MANUFACTURING DEVICE AND METHOD OF REMOVING PARTICLES THEREFROM	6024105	1998-05-06	2000-02-15
United States	SEMICONDUCTOR DEVICE HAVING A PORTION OF GATE ELECTRODE FORMED ON AN INSULATING SUBSTRATE	6064090	1996-06-27	2000-05-16
United States	METHOD DIRECTED TO THE MANUFACTURE OF AN SOI DEVICE	6271065	2000-01-31	2001-08-07
United States	SEMICONDUCTOR DEVICE	6362514	1999-07-13	2002-03-26
United States	THIN FILM SOI MOSFET	6440973	1999-06-24	2002-06-25
United States	COMPUTER IMPLEMENTED MARKETING SYSTEM	6236977	1999-01-04	2001-05-22
United States	DISPLAY APPARATUS WITH DIGITAL MICROMIRROR DEVICE	6348907	1995-01-31	2002-02-19
United States	METHOD FOR USING A SPATIAL LIGHT MODULATOR	6535187	1998-04-21	2003-03-18
United States	METHOD FOR INCREASING THE RESOLUTION OF A SPATIAL LIGHT MODULATOR	7184194	2004-12-20	2007-02-27
United States	ALIGNED WAFER BONDING	5236118	1992-05-12	1993-08-17
United States	METHOD AND APPARATUS FOR VALIDATING CREDIT INFORMATION DURING HOME DELIVERY OF ORDER	5208446	1991-09-19	1993-05-04
United States	METHOD AND APPARATUS FOR UPDATING CREDIT INFORMATION DURING HOME DELIVERY OF ORDER	5334824	1993-03-30	1994-08-02
United States	RECYCLABLE, DIGITAL ONE-TIME USE CAMERA	7126629	2001-09-07	2006-10-24
United States	METHOD OF MAKING A THREE-DIMENSIONAL INTEGRATED CIRCUIT	5563084	1995-09-22	1996-10-08
United States	METHOD OF VERTICALLY INTEGRATING MICROELECTRONIC SYSTEMS	5851894	1995-05-03	1998-12-22
United States	METHOD OF MAKING A THREE-DIMENSIONAL INTEGRATED CIRCUIT	5877034	1995-09-22	1999-03-02
United States	METHOD AND APPARATUS FOR DISPLAYING REAL-TIME INFORMATION OBJECTS BETWEEN A WIRELESS MOBILE USER STATION AND MULTIPLE INFORMATION SOURCES BASED UPON EVENT DRIVEN PARAMETERS AND USER MODIFIABLE OBJECT MANIFEST	7289793	2002-12-03	2007-10-30
United States	ELECTROMAGNETICALLY SHIELDED HEARING AID	5640457	1995-11-13	1997-06-17
United States	ELECTROMAGNETICALLY PROTECTED HEARING AIDS	RE43519	2003-04-14	2012-07-17

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	FILE SHARED APPARATUS AND ITS METHOD FILE PROCESSING APPARATUS AND ITS METHOD RECORDING MEDIUM IN WHICH FILE SHARED PROGRAM IS RECORDED AND RECORDING MEDIUM IN WHICH FILE PROCESSING PROGRAM IS RECORDED	64999058	1999-09-09	2002-12-24
United States	SYSTEM AND METHOD FOR MEASURING AND STORING INFORMATION PERTAINING TO TELEVISION VIEWER OR USER BEHAVIOR	6286140	1997-11-20	2001-09-04
United States	METHOD FOR TELEVISION SCRAMBLING	4993066	1987-02-26	1991-02-12
United States	HAND HELD CONTROL DEVICE WITH DUAL MODE JOYSTICK FOR POINTING AND SCROLLING	7804485	2007-02-09	2010-09-28
United States	HAND HELD CONTROL DEVICE WITH DUAL MODE JOYSTICK FOR POINTING AND SCROLLING	8502779	2010-09-17	2013-08-06
United States	AUTOMATIC VOICE RESPONSE CALL CENTER SYSTEM	6614886	1999-08-09	2003-09-02
United States	SYSTEM AND METHOD FOR COMPUTING NAVIGATION INFORMATION IN THE PRESENCE OF INTERFERENCE	6600444	2002-02-22	2003-07-29
United States	INTEGRATED GPS/INTERFERENCE LOCATION SYSTEM WITH ANTI-JAM PROCESSOR	6882936	2003-03-03	2005-04-19
United States	APPARATUS AND METHOD FOR TRADING ELECTRIC ENERGY	6115698	1995-08-18	2000-09-05
United States	APPARATUS AND METHOD FOR TRADING ELECTRIC ENERGY	6473744	1999-08-06	2002-10-29
United States	SOUND STORAGE AND SOUND RETRIEVAL SYSTEM HAVING PERIPHERAL WITH HAND OPERABLE SWITCHES	5402518	1992-07-22	1995-03-28
United States	RADIO COMMUNICATION SYSTEM USING SPREAD SPECTRUM TECHNIQUES	5077753	1990-04-09	1991-12-31
United States	METHOD AND SYSTEM FOR CONFIGURATING PRODUCTS	7844495	2001-04-20	2010-11-30
United States	METHOD AND SYSTEM FOR CONFIGURATING PRODUCTS	8694391	2012-05-09	2014-04-08
United States	WIRE BONDING DEVICE	5199628	1992-06-02	1993-04-06
United States	BUMP FORMING METHOD	5263246	1992-02-14	1993-11-23
United States	METHOD FOR PRODUCING SOLDER THAT CONTAINS THEREIN ADDITIVE PARTICLES MAINTAINING ITS SHAPE	5377899	1994-01-31	1995-01-03
United States	FABRICATION PROCESS FOR MULTILEVEL INTERCONNECTIONS IN A SEMICONDUCTOR DEVICE	5506177	1995-02-24	1996-04-09
United States	SEMICONDUCTOR LIGHT RECEIVING APPARATUS	5550675	1994-09-22	1996-08-27
United States	IMAGE SUB-SAMPLING APPARATUS	5565925	1995-08-10	1996-10-15

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	MICROPROCESSOR WITH BUS SIZING FUNCTION	5603048	1996-01-02	1997-02-11
United States	SERIAL TRANSMISSION APPARATUS HAVING AN OPERATION SURELY CARRIED OUT EVEN IF A SERIAL DATUM IS REPRESENTED BY AN UNKNOWN NUMBER OF DATA BITS	5613104	1994-10-27	1997-03-18
United States	SEMICONDUCTOR DEVICE INCLUDING RECTANGULAR FUNCTIONAL BLOCKS HAVING AT LEAST ONE COMMON LENGTH	5616939	1994-09-06	1997-04-01
United States	CIRCUIT FOR DRIVING LIQUID CRYSTAL DEVICE	5617111	1996-07-09	1997-04-01
United States	CASCADE CIRCUIT OPERABLE AT A LOW WORKING VOLTAGE AND HAVING A HIGH OUTPUT IMPEDANCE	5625313	1994-09-12	1997-04-29
United States	STATIC TYPE OF SEMICONDUCTOR MEMORY DEVICE HAVING GREAT LOW VOLTAGE OPERATION MARGIN	5642315	1995-09-28	1997-06-24
United States	MICROCOMPUTER HAVING A REGION DEFINABLE BY USER	5649219	1996-09-04	1997-07-15
United States	PARALLEL-TO-SERIAL DATA CONVERSION CIRCUIT	5654707	1994-12-28	1997-08-05
United States	SEMICONDUCTOR DEVICE HAVING AN INTERNAL VOLTAGE STEP-UP CONTROL CIRCUIT	5663926	1996-01-30	1997-09-02
United States	SEMICONDUCTOR CIRCUIT HAVING INPUT PROTECTIVE CIRCUIT	5691557	1994-12-16	1997-11-25
United States	SAMPLING AND HOLDING DEVICE	5698999	1996-03-28	1997-12-16
United States	METHOD OF AND APPARATUS FOR DEBUGGING MULTITASK PROGRAMS	5805892	1995-09-13	1998-09-08
United States	METHOD OF FABRICATING FIELD EFFECT TRANSISTOR WITH AN LDD STRUCTURE	5985712	1997-11-04	1999-11-16
United States	TRANSIENT CURRENT PRODUCING METHOD, TRANSIENT CURRENT PRODUCING CIRCUIT, RELATED SEMICONDUCTOR INTEGRATED CIRCUIT AND LOGICAL CIRCUIT	6329805	2000-01-27	2001-12-11
United States	REFERENCE CURRENT GENERATING CIRCUIT	6377113	1996-10-11	2002-04-23
United States	SEMICONDUCTOR DEVICE AND PROCESS FOR PRODUCTION THEREOF	6413808	2000-07-17	2002-07-02
United States	SOLID-STATE IMAGE SENSOR HAVING VERTICAL TRANSFER ELECTRODES PROTECTED FROM SHORT CIRCUITING	6441853	1998-05-23	2002-08-27
United States	HIGH-SPEED VOLTAGE BOOSTING CIRCUIT	6459328	2000-11-13	2002-10-01
United States	EMBEDDED LSI HAVING A FERAM SECTION AND A LOGIC CIRCUIT SECTION	6465826	2001-01-02	2002-10-15
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE HAVING TRENCH INTERCONNECTION	6472318	2001-08-02	2002-10-29

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR MEMORY HAVING A PAIR OF BANK SELECT DRIVERS DRIVING EACH BANK SELECT LINE	6473327	2000-11-09	2002-10-22
United States	COPPER WIRING STRUCTURE COMPRISING A COPPER MATERIAL BURIED IN A HOLLOW OF AN INSULATING FILM AND A CARBON LAYER BETWEEN THE HOLLOW AND THE COPPER MATERIAL IN SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME	6482741	1999-08-20	2002-11-19
United States	CIRCUIT DEVICE WITH BONDING STRENGTH IMPROVED AND METHOD OF MANUFACTURING THE SAME	6486562	2000-06-07	2002-11-26
United States	FERROELECTRIC MEMORY DEVICE HAVING A PROTECTIVE LAYER	6495879	1999-11-22	2002-12-17
United States	SEMICONDUCTOR DEVICE CAPABLE OF SURELY FIXING VOLTAGE AT WELL	6495899	2001-03-30	2002-12-17
United States	SEMICONDUCTOR DEVICE HAVING RELIABLE COUPLING BETWEEN WIRING SUBSTRATE AND SEMICONDUCTOR PELLET	6504246	2000-12-15	2003-01-07
United States	SEMICONDUCTOR MEMORY DEVICE WITH IMPROVED REFERENCE SECTION	6507052	2000-08-21	2003-01-14
United States	SEMICONDUCTOR DEVICE	6515364	2001-04-10	2003-02-04
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	6521500	2000-06-29	2003-02-18
United States	ETCHING MASK, PROCESS FOR FORMING CONTACT HOLES USING SAME, AND SEMICONDUCTOR DEVICE MADE BY THE PROCESS	6559486	2000-11-30	2003-05-06
United States	COLOR SIGNAL CONVERSION BY MEANS OF THE FEWEST CONVERTER TABLES	6587223	1999-07-21	2003-07-01
United States	APPARATUS AND METHOD FOR DESIGNING SEMICONDUCTOR CIRCUIT, AND RECORDING MEDIUM	6591408	2000-09-26	2003-07-08
United States	MPEG DECODING DEVICE	6600787	2001-01-18	2003-07-29
United States	LOW-AMPLITUDE DRIVER CIRCUIT	6603334	2000-05-31	2003-08-05
United States	ETCHING MASK, PROCESS FOR FORMING CONTACT HOLES USING SAME, AND SEMICONDUCTOR DEVICE MADE BY THE PROCESS	6617245	2000-03-25	2003-09-09
United States	DIRECT MEMORY ACCESS CONTROLLER	6629160	2000-06-13	2003-09-30
United States	FUNCTION SYNTHESIZING METHOD AND APPARATUS, AND RECORDING MEDIUM ON WHICH PROGRAM OF SAID METHOD IS RECORDED	6711728	2000-02-18	2004-03-23
United States	LOW-AMPLITUDE DRIVER CIRCUIT	6724664	2002-08-20	2004-04-20
United States	APPARATUS FOR SELECTIVELY CUTTING FUSE ELECTRODES	6822309	2001-03-22	2004-11-23

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	APPEARANCE INSPECTION APPARATUS AND METHOD IN WHICH PLURAL THREADS ARE PROCESSED IN PARALLEL	6987894	2001-04-25	2006-01-17
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	7148571	2000-07-27	2006-12-12
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	5991221	1998-01-30	1999-11-23
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6154412	1999-09-17	2000-11-28
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6327212	2000-10-24	2001-12-04
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6407959	2001-06-06	2002-06-18
United States	SINGLE CHIP MICROCOMPUTER INTERNALLY INCLUDING A FLASH MEMORY	6453397	1999-12-14	2002-09-17
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6661715	2002-06-04	2003-12-09
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	6670251	2001-12-07	2003-12-30
United States	PROCESS FOR MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING TREATMENT OF GAS USED IN THE PROCESS	6723665	2003-04-02	2004-04-20
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	6845046	2003-07-22	2005-01-18
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	7023789	2004-12-07	2006-04-04
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7045420	2004-03-08	2006-05-16
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7064040	2005-06-30	2006-06-20
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7074665	2003-11-06	2006-07-11
United States	SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE	7078759	2005-06-21	2006-07-18
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7094642	2005-04-21	2006-08-22
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7094655	2005-06-30	2006-08-22
United States	CARBON CONTAINING SILICON OXIDE FILM HAVING HIGH ASHING TOLERANCE AND ADHESION	7102236	2004-01-29	2006-09-05

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	7236419	2006-03-02	2007-06-28
United States	METHOD FOR FABRICATING SEMICONDUCTOR DEVICE	7314805	2006-09-13	2008-01-01
United States	SEMICONDUCTOR DEVICE COMPRISING A HIGHLY-RELIABLE, CONSTANT CAPACITANCE CAPACITOR	7368776	2006-01-23	2008-05-06
United States	MICROCOMPUTER AND MICROPROCESSOR HAVING FLASH MEMORY OPERABLE FROM SINGLE EXTERNAL POWER SUPPLY	7385869	2007-05-04	2008-06-10
United States	CARBON CONTAINING SILICON OXIDE FILM HAVING HIGH ASHING TOLERANCE AND ADHESION	7420279	2006-06-28	2008-09-02
United States	METHOD OF FABRICATING SEMICONDUCTOR DEVICE	7569457	2007-11-09	2009-08-04
United States	CARBON CONTAINING SILICON OXIDE FILM HAVING HIGH ASHING TOLERANCE AND ADHESION	7582978	2008-07-28	2009-09-01
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7754562	2009-02-10	2010-07-13
United States	SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND SEMICONDUCTOR DEVICE	7763926	2008-10-07	2010-07-27
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7795648	2009-02-10	2010-09-14
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	7816204	2008-05-23	2010-10-19
United States	SEMICONDUCTOR DEVICE COMPRISING CAPACITOR AND METHOD OF FABRICATING THE SAME	8159891	2013-01-25	2014-06-24
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE AND METHOD OF MANUFACTURING THE SAME	5798551	1997-01-17	1998-08-25
United States	FLASH MEMORY INCORPORATING MICROCOMPUTER HAVING ON-BOARD WRITING FUNCTION	5872994	1996-11-12	1999-02-16
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE AND METHOD OF MANUFACTURE THEREOF	6603178	2001-01-04	2003-08-05
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6661063	2001-03-02	2003-12-09
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	6737712	2002-10-15	2004-05-18
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6747324	2003-06-16	2004-08-08

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	7030449	2004-09-29	2006-04-18
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	7075157	2004-04-29	2006-07-11
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	7199433	2004-01-14	2007-04-03
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	7323735	2005-07-05	2008-01-29
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF FOR REDUCING THE AREA OF THE MEMORY CELL REGION	7439153	2006-10-03	2008-10-21
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	7598558	2007-10-29	2009-10-06
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF FOR REDUCING THE AREA OF THE MEMORY CELL REGION	7863193	2008-09-25	2010-02-16
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF FOR REDUCING THE AREA OF THE MEMORY CELL REGION	8183114	2009-12-11	2012-05-22
United States	Semiconductor Memory Apparatus, Semiconductor Apparatus, Data Processing Apparatus And Computer System	6396732	2000-05-24	2002-05-28
United States	Semiconductor Memory Device Operating With Low Power Consumption	6512715	2001-11-16	2003-01-28
United States	Semiconductor Memory Apparatus, Semiconductor Apparatus, Data Processing Apparatus And Computer System	6515894	2001-11-19	2003-02-04
United States	Semiconductor Device Including Interface Circuit, Logic Circuit, And Static Memory Array Having Transistor Of Various Threshold Voltages And Being Supplied With Various Supply Voltages	6545985	2000-02-02	2003-04-08
United States	Information Processing Apparatus Having A Bus Using The Protocol Of The Acknowledge Type In The Source Clock Synchronous System	6810454	2003-01-08	2004-10-26
United States	Semiconductor Device	7176745	2004-05-24	2007-02-13
United States	Semiconductor Device	7772917	2009-03-27	2010-08-10
United States	Semiconductor Device		2003-03-12	
United States	Data processor having unified memory architecture providing priority memory access	6717583	2001-11-26	2004-04-06
United States	Data processor having unified memory architecture using register to optimize memory access	6954206	2003-09-25	2005-10-11
United States	Semiconductor integrated circuit including charging pump	7598796	2007-11-27	2009-10-06

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Substrate bias switching unit for a low power processor	7958379	2008-12-30	2011-06-07
United States	SEMICONDUCTOR DEVICE WITH CONTACTS FORMED IN SELF-ALIGNMENT	5989951	1996-04-18	1999-11-23
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICES	6380085	2000-12-29	2002-04-30
United States	METHOD OF FABRICATING A SEMICONDUCTOR DEVICE	6610561	2001-05-07	2003-08-26
United States	SEMICONDUCTOR STORAGE DEVICE AND PROCESS FOR MANUFACTURING THE SAME	6617205	1998-05-20	2003-09-09
United States	SOLID-STATES IMAGE SENSING DEVICE WITH LIGHT SHIELDING MEMBER HAVING OPENINGS SPACED AT AN EQUAL PITCH	6642965	1999-07-14	2003-11-04
United States	SEMICONDUCTOR DEVICE WITH CONDUCTIVE CONTACT LAYER STRUCTURE	6731008	1996-10-07	2004-05-04
United States	SEMICONDUCTOR DEVICE WITH MULTIPLE LAYER INSULATING FILM	7084508	2002-08-07	2006-08-01
United States	SEMICONDUCTOR MEMORY ARRANGEMENTS WITH CROWN SHAPED CAPACITOR ARRANGEMENTS TRENCHED IN INTERLAYER DIELECTRIC FILM	7196368	2004-08-10	2007-03-27
United States	SEMICONDUCTOR DEVICE AND DUMMY PATTERN ARRANGEMENT METHOD	7761833	2008-04-15	2010-07-20
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	7772032	2008-11-18	2010-08-10
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6639455	2003-01-24	2003-10-28
United States	MICROCOMPUTER AND MICROCOMPUTER SYSTEM	6763448	2000-02-14	2004-07-13
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	6765434	2003-07-16	2004-07-20
United States	SEMICONDUCTOR DEVICE	7385138	2006-04-12	2008-06-03
United States	SEMICONDUCTOR DEVICE AND SEMICONDUCTOR SIGNAL PROCESSING APPARATUS	7562198	2005-06-09	2009-07-14
United States	SEMICONDUCTOR DEVICE AND SEMICONDUCTOR SIGNAL PROCESSING APPARATUS	7791962	2008-06-16	2010-09-07
United States	SEMICONDUCTOR DEVICE AND SEMICONDUCTOR SIGNAL PROCESSING APPARATUS	8089819	2008-08-16	2012-01-03
United States		6897499	2003-02-07	2005-05-24
United States		6909658	2004-05-11	2005-06-21
United States		6930924	2003-04-02	2005-08-16
United States		6949950	2004-02-24	2005-09-27
United States		7072225	2005-06-29	2006-07-04

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE CONTAINING VOLTAGE CONVERTING CIRCUIT AND OPERATING METHOD THEREOF	7663163	2007-07-12	2010-02-18
United States	LOW DISTORTION CASCODE CIRCUIT	5283762	1991-05-06	1994-02-01
United States	SEMICONDUCTOR DEVICE WITH OVERDRIVING SENSE AMPLIFIER	5514992	1994-07-12	1996-05-07
United States	SYNCHRONOUS RANDOM ACCESS MEMORY	5515325	1994-12-13	1996-05-07
United States	METHOD OF EXECUTING READ AND WRITE OPERATIONS IN A SYNCHRONOUS RANDOM ACCESS MEMORY	5752270	1997-04-28	1998-05-12
United States	SYNCHRONOUS RANDOM ACCESS MEMORY	6026048	1998-01-13	2000-02-15
United States	SYNCHRONOUS RANDOM ACCESS MEMORY	6327188	2000-01-04	2001-12-04
United States	HIGH FREQUENCY POWER AMPLIFYING APPARATUS HAVING AMPLIFYING STAGES WITH GAIN CONTROL SIGNALS OF LOWER AMPLITUDES APPLIED TO EARLIER PRECEDING STAGES	6463267	2000-04-17	2002-10-08
United States	SEMICONDUCTOR MEMORY DEVICE WITH OVERDRIVING SENSE AMPLIFIER	6477100	2001-08-22	2002-11-05
United States	SEMICONDUCTOR MEMORY DEVICE HAVING READ DATA MULTIPLEXER	6519187	2001-09-25	2003-02-11
United States	SEMICONDUCTOR DEVICE	6535415	2002-09-23	2003-03-18
United States	OUTPUT BUFFER CIRCUIT	6586973	1999-10-21	2003-07-01
United States	HIGH FREQUENCY POWER AMPLIFYING APPARATUS HAVING AMPLIFYING STAGES WITH GAIN CONTROL SIGNALS OF LOWER AMPLITUDES APPLIED TO EARLIER PRECEDING STAGES	6658243	2002-07-22	2003-12-02
United States	SEMICONDUCTOR DEVICE	6717835	2003-01-22	2004-04-06
United States	SEMICONDUCTOR DEVICE	6819613	2003-10-27	2004-11-16
United States	SEMICONDUCTOR DEVICE	7230867	2005-08-18	2007-06-12
United States	SEMICONDUCTOR DEVICE	7345938	2007-05-09	2008-03-18
United States	SEMICONDUCTOR DEVICE WITH HYDROGEN ION INTERCEPTING LAYER	5327224	1992-10-14	1994-07-05
United States	STACKED-TYPE SEMICONDUCTOR DEVICE	5355022	1992-08-28	1994-10-11
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE WITH HYDROGEN ION INTERCEPTING LAYER	5470764	1994-05-23	1995-11-28
United States	STACKED-TYPE SEMICONDUCTOR DEVICE	5504376	1994-04-04	1996-04-02
United States	SEMICONDUCTOR DEVICE HAVING A FLOATING NODE THAT CAN MAINTAIN A PREDETERMINED POTENTIAL FOR LONG TIME, A	5592009	1995-08-17	1997-01-27

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR MEMORY DEVICE HAVING HIGH DATA MAINTENANCE PERFORMANCE, AND A METHOD OF MANUFACTURING THEREOF	6612912	1999-08-10	2003-09-02
United States	METHOD FOR FABRICATING SEMICONDUCTOR DEVICE AND PROCESSING APPARATUS FOR PROCESSING SEMICONDUCTOR DEVICE	6737198	1999-05-26	2004-05-18
United States	PHOTOMASK, FABRICATION METHOD OF PHOTOMASK, AND FABRICATION METHOD OF SEMICONDUCTOR INTEGRATED CIRCUIT	5023934	1998-07-02	1991-06-11
United States	APPARATUS AND METHOD FOR COMMUNICATION OF VISUAL GRAPHIC DATA WITH RADIO FREQUENCY CARRIER FREQUENCIES	5128782	1990-05-10	1992-07-07
United States	LIQUID CRYSTAL DISPLAY UNIT WHICH IS BACK-LIT WITH COLORED LIGHTS	5416496	1993-03-19	1995-05-16
United States	FERROELECTRIC LIQUID CRYSTAL DISPLAY APPARATUS AND METHOD	6288095	1998-08-25	2001-09-11
United States	METHOD FOR DRIVING AN ADDRESSABLE MATRIX DISPLAY WITH LUMINESCENT PIXELS, AND DISPLAY APPARATUS USING THE METHOD	7253794	2002-02-11	2007-08-07
United States	DISPLAY APPARATUS AND METHOD	7782280	2006-05-02	2010-08-24
United States	ELECTROMAGNETICALLY SHIELDED HEARING AIDS	6546109	2000-01-03	2003-04-08
United States	VARYING THE RATE AT WHICH DATA APPEAR ON AN OPTICAL DISC ROTATED AT A CONSTANT LINEAR VELOCITY TO PREVENT UNAUTHORIZED DUPLICATION OF THE DISC	90/007756	2005-10-05	2009-04-21
United States	AUTOMATIC VOICE RESPONSE SYSTEM FOR TAX RETURN STATUS	07/826912		
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE	US6314388	6/4/1999	2/5/2002
United States	METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE	US6096664	6/4/1999	8/1/2000
United States	SEMICONDUCTOR DEVICE WITH A PARTICULAR CONDUCTOR ARRANGEMENT	US6639288	6/19/2000	10/28/2003
United States	SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF	US6580113	6/28/1999	6/17/2003
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	US6309958	9/8/1999	10/30/2001
United States	SEMICONDUCTOR DEVICE AND FABRICATION METHOD THEREOF	US6548900	10/21/1999	4/15/2003
United States	REDUNDANCY FUSE BLOCK HAVING A SMALL OCCUPIED AREA	US6215173	11/12/1999	11/10/2001
United States	MULTILAYERED SEMICONDUCTOR DEVICE	US6369446	11/15/1999	4/9/2002
United States	MULTILAYERED SEMICONDUCTOR DEVICE	US6713872	4/3/2002	3/30/2004
United States	ELECTRODE STRUCTURE OF SEMICONDUCTOR ELEMENT	US6313540	12/22/1999	11/6/2001

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD OF MANUFACTURING AN EEPROM DEVICE	US6576512	9/23/2002	6/10/2003
United States	METHOD OF MANUFACTURING SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING SILICIDE LAYERS	US6569742	12/23/1999	5/27/2003
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7166893	9/23/2002	1/23/2007
United States	METHOD OF MANUFACTURING MISFET	US6235564	1/20/2000	5/22/2001
United States	[No Title]	US6348405	1/25/2000	2/19/2002
United States	METHOD OF MANUFACTURING A PACKAGED SEMICONDUCTOR DEVICE, AND A SEMICONDUCTOR DEVICE MANUFACTURED THEREBY	US6544814	7/31/2000	4/8/2003
United States	MICROCOMPUTER AND MICROCOMPUTER SYSTEM	US6907514	7/12/2004	6/14/2005
United States	METHOD OF FABRICATING A SEMICONDUCTOR DEVICE	US6309960	3/22/2000	10/30/2001
United States	METHOD FOR PRODUCING THREE-DIMENSIONAL CIRCUITS	US6566432	11/29/2001	12/16/2003
United States	[No Title]	US6466484	1/28/2002	10/15/2002
United States	[No Title]	US6356480	6/7/2000	3/12/2002
United States	SEMICONDUCTOR DEVICE AND A MANUFACTURING PROCESS THEREFOR	US6514853	6/13/2000	2/4/2003
United States	PHOTOELECTRIC CONVERSION DEVICE AND METHOD OF MANUFACTURING THE SAME	US6407417	6/14/2000	6/18/2002
United States	COPPER INTERCONNECTION	US6670639	12/11/2001	12/30/2003
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE INCLUDING A GATE ELECTRODE HAVING A SALICIDE LAYER THEREON	US6908837	9/23/2002	6/21/2005
United States	SEMICONDUCTOR DEVICE HAVING GATE INSULATING LAYERS DIFFERENT IN THICKNESS AND MATERIAL AND PROCESS FOR FABRICATION THEREOF	US6475868	8/10/2000	11/5/2002
United States	SEMICONDUCTOR DEVICE WITH DUMMY PATTERNS	US6563148	4/10/2001	5/13/2003
United States	SEMICONDUCTOR DEVICE WITH A FIRST DUMMY PATTERN	US6753246	4/22/2003	6/22/2004
United States	METHOD OF ARRANGING EXPOSED AREAS INCLUDING A LIMITED NUMBER OF TEST ELEMENT GROUP (TEG) REGIONS ON A SEMICONDUCTOR WAFER	US6492189	10/26/2000	12/10/2002
United States	SEMICONDUCTOR PRODUCT WAFER HAVING VERTICALLY AND HORIZONTALLY ARRANGED PATTERNED AREAS INCLUDING A LIMITED NUMBER OF TEST ELEMENT GROUP REGIONS	US6762433	9/19/2002	7/13/2004
United States	SEMICONDUCTOR WAFER SURFACE AND METHOD OF TREATING A SEMICONDUCTOR WAFER SURFACE	US6897150	11/20/2000	5/24/2005

DOC ID : 341210722

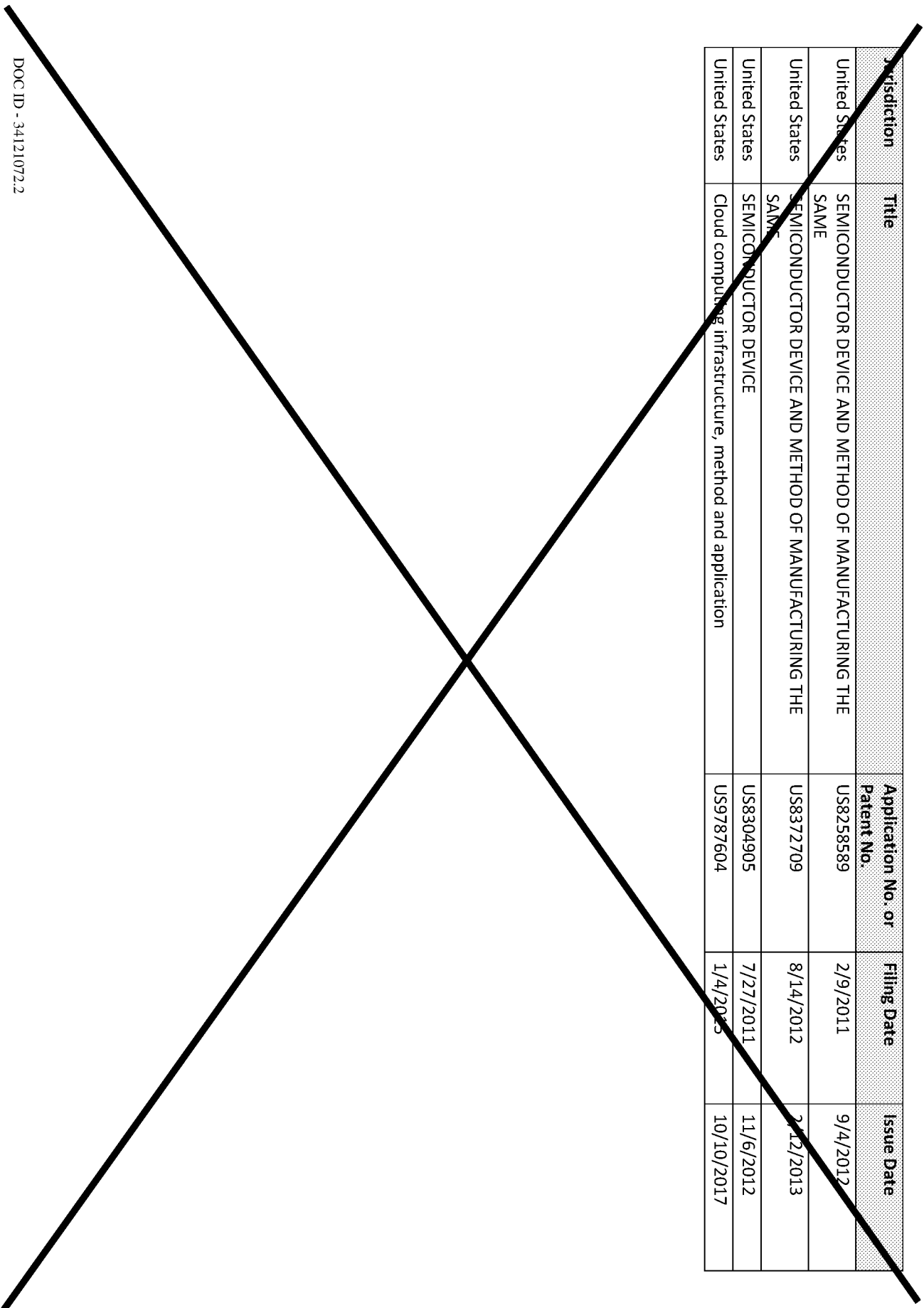
Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7352236	12/13/2006	4/1/2008
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US6970036	6/4/2004	11/26/2005
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7830204	2/26/2010	11/9/2010
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7161414	11/3/2005	1/9/2007
United States	SOLID-STATE IMAGING DEVICE AND METHOD FOR FABRICATING SAME	US6603144	12/8/2003	8/5/2003
United States	SEMICONDUCTOR DEVICE, DESIGNING METHOD AND DESIGNING DEVICE THEREOF	US6838770	6/27/2001	1/4/2005
United States	SEMICONDUCTOR DEVICE AND MOUNTED SEMICONDUCTOR DEVICE STRUCTURE	US6639315	8/10/2001	10/28/2003
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US6535056	6/6/2001	3/18/2003
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US6704505	4/8/2013	12/10/2013
United States	SEMICONDUCTOR DEVICE WITH AN ACTIVE REGION AND PLURAL DUMMY REGIONS	US6693315	11/2/2001	2/17/2004
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US9337147	6/19/2015	5/10/2016
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7948086	3/1/2010	5/24/2011
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING AN ACTIVE REGION AND DUMMY PATTERNS	US8119495	4/28/2011	2/21/2012
United States	SEMICONDUCTOR DEVICE HAVING ACTIVE REGION AND DUMMY WIRINGS	US8425969	1/31/2012	4/23/2013
United States	METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE INCLUDING DUMMY REGIONS AND DUMMY WIRINGS	US9064926	12/9/2013	6/23/2015
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7071560	2/31/2003	7/4/2006
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE	US7696813	2/4/2008	4/13/2010
United States	Method, apparatus and computer programs for multiplexing and/or demultiplexing	US7415046	2/19/2002	8/19/2008
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7411302	5/10/2006	8/28/2008
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7589423	5/24/2007	9/15/2009

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for controlling the extinction ratio of transmitters	US6819480	5/2/2002	11/16/2004
United States	Conditional bandwidth subscriptions for multiprotocol label switching (MPLS) label switched paths (LSPs)	US7133360	5/7/2002	11/7/2006
United States	MICROPROCESSOR INTERNALLY PROVIDED WITH TEST CIRCUIT	US6816983	2/20/2001	11/9/2004
United States	SEMICONDUCTOR DEVICE AND A METHOD OF MANUFACTURING THE SAME AND DESIGNING THE SAME	US7687914	10/30/2000	3/30/2010
United States	SOLID-STATES IMAGE PICKUP DEVICE	US7030918	6/27/2000	4/18/2006
United States	SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME	US6900539	10/17/2002	5/31/2005
United States	Method and device for authenticated access of a station to local data networks in particular radio data networks	US7756507	10/18/2004	7/13/2010
United States	SEMICONDUCTOR MEMORY DEVICE	US6791200	12/19/2002	9/14/2004
United States	SEMICONDUCTOR DEVICE WITH CONTACTING ELECTRODES	US6919646	3/11/2003	7/19/2005
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	US6841420	9/11/2003	1/11/2005
United States	Variable-bandwidth multi-granularity optical add/drop network	US6996307	9/9/2003	2/7/2006
United States	Optical network termination with automatic determination of geographic location	US7289731	1/29/2004	10/30/2007
United States	Flow control and congestion management for random scheduling in time-domain wavelength interleaved networks	US7573815	3/4/2005	8/11/2009
United States	Establishment of a transcoder-free operation connection	US8150683B2	4/18/2005	3/6/2012
United States	Establishment of a transcoder-free operation connection	US8351360B2	1/27/2012	1/8/2013
United States	METHOD FOR CUTTING AN ELECTRIC FUSE	US8372730	6/23/2011	2/12/2013
United States	SEMICONDUCTOR DEVICE	US8073643	5/18/2008	12/6/2011
United States	SEMICONDUCTOR DEVICE AND METHOD FOR CUTTING ELECTRIC FUSE	US7989913	5/14/2007	8/2/2011
United States	System, method and computer readable medium for providing dual rate transmission on a gigabit passive optical network	US8086104	2/15/2008	12/27/2011
United States	SEMICONDUCTOR DEVICE AND DUMMY PATTERN ARRANGEMENT METHOD	US8072078	12/7/2009	12/6/2011
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	US7977158	7/8/2010	7/12/2011
United States	MANUFACTURING METHOD FOR ELECTRONIC DEVICES	US8278143	6/22/2011	10/2/2012

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	US8258589	2/9/2011	9/4/2012
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	US8372709	8/14/2012	2/12/2013
United States	SEMICONDUCTOR DEVICE	US8304905	7/27/2011	11/6/2012
United States	Cloud computing infrastructure, method and application	US9787604	1/4/2015	10/10/2017



DOC ID - 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	AMERICAN VEHICULAR SCIENCES LLC OPTICAL IDENTIFICATION AND MONITORING SYSTEM USING PATTERN RECOGNITION FOR USE WITH VEHICLES	5835613	1995-06-07	1998-11-10
United States	OPTICAL IDENTIFICATION AND MONITORING SYSTEM USING PATTERN RECOGNITION FOR USE WITH VEHICLES	5845000		1998-12-01
United States	PLASTIC FILM AIRBAG	6149194	1998-05-04	2000-11-21
United States	EFFICIENT AIRBAG SYSTEM	6179326	1998-05-06	2001-01-30
United States	TUBULAR AIRBAG, METHOD OF MAKING THE SAME AND OCCUPANT PROTECTION SYSTEM INCLUDING THE SAME	6250668	2000-03-27	2001-06-26
United States	VEHICULAR SEATS INCLUDING OCCUPANT PROTECTION APPARATUS	6331014	2000-07-11	2001-12-18
United States	ACCIDENT AVOIDANCE SYSTEM	6405182	2000-10-04	2002-06-11
United States	VEHICULAR OCCUPANT MOTION DETECTION SYSTEM USING RADAR	6756231	2001-06-26	2004-05-18
United States	SYSTEM AND METHOD FOR MOVING A HEADREST BASED ON ANTICIPATORY SENSING	6746078	2002-09-03	2004-06-08
United States	METHOD AND SYSTEM FOR CONTROLLING A VEHICLE	6768944	2002-08-09	2004-07-27
United States	SYSTEM AND METHOD FOR DETECTING THE PRESENCE OF AN OBJECT IN AN APERTURE	6984818	2004-12-01	2006-01-10
United States	METHOD FOR CONTROLLING OUTPUT OF A CLASSIFICATION ALGORITHM	7009502	2003-08-20	2006-03-07
United States	VEHICULAR BLIND SPOT IDENTIFICATION AND MONITORING SYSTEM	7049945	2001-05-08	2006-05-23
United States	METHOD AND SYSTEM FOR CONTROLLING A VEHICLE	7085634	2004-04-12	2006-08-01
United States	COMMUNICATION METHOD AND ARRANGEMENT	7110880	2005-01-03	2006-09-19
United States	INTERACTIVE VEHICLE DISPLAY SYSTEM	7126583	2000-08-24	2006-10-24
United States	METHOD AND SYSTEM FOR DETECTING OBJECTS EXTERNAL TO A VEHICLE	7202776	2005-01-12	2007-04-10
United States	METHOD FOR OBTAINING AND DISPLAYING INFORMATION ABOUT OBJECTS IN A VEHICULAR BLIND SPOT	7209221	2005-04-21	2007-04-24
United States	ACCIDENT AVOIDANCE SYSTEMS AND METHODS	7295925	2006-11-22	2007-11-13
United States	WEIGHT MEASURING SYSTEMS AND METHODS FOR VEHICLES	7330784	2006-05-25	2008-02-12
United States	COLLISION AVOIDANCE METHODS AND SYSTEMS	7418346	2006-08-01	2008-05-26
United States	ACCIDENT AVOIDANCE SYSTEMS AND METHODS	7426437	2007-03-05	2008-09-16

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD AND APPARATUS FOR CONTROLLING A VEHICLE DOOR	7438346	2005-09-19	2008-10-21
United States	TIRE MONITORING TECHNIQUES	7467034	2006-10-30	2009-12-16
United States	AIRBAG INFLATION CONTROL BASED ON SENSED CONTACT WITH OCCUPANT	7575248	2006-07-12	2009-08-18
United States	SELF-POWERED TIRE MONITORING SYSTEM	7603894	2007-10-30	2009-10-20
United States	REAR IMPACT OCCUPANT PROTECTION APPARATUS AND METHOD	7604080	2006-05-01	2009-10-20
United States	VEHICLE POSITION DETERMINING SYSTEM AND METHOD	7610146	2007-10-18	2009-10-27
United States	VEHICULAR COMMUNICATION ARRANGEMENT AND METHOD	7629899	2006-08-14	2009-12-08
United States	INFORMATION MANAGEMENT AND MONITORING SYSTEM AND METHOD	7630802	2006-06-05	2009-12-08
United States	VEHICULAR INTERSECTION MANAGEMENT TECHNIQUES	7647180	2008-03-17	2010-01-12
United States	VEHICLE COMMUNICATIONS USING THE INTERNET	7672756	2006-06-01	2010-03-02
United States	IMAGE PROCESSING FOR VEHICULAR APPLICATIONS APPLYING IMAGE COMPARISONS	7676062	2007-10-11	2010-03-09
United States	VEHICULAR TIRE MONITORING BASED ON SENSED ACCELERATION	7693626	2007-02-22	2010-04-06
United States	REAR IMPACT OCCUPANT PROTECTION APPARATUS AND METHOD	7695015	2007-10-26	2010-04-13
United States	AIRBAG DEPLOYMENT TECHNIQUES	7726684	2007-10-30	2010-06-01
United States	IMAGE PROCESSING FOR VEHICULAR APPLICATIONS APPLYING EDGE DETECTION TECHNIQUE	7769513	2007-08-20	2010-08-03
United States	SYSTEM AND METHOD FOR PREVENTING VEHICULAR ACCIDENTS	7783483	2007-10-18	2010-08-24
United States	VEHICULAR RFID AND SENSOR ASSEMBLIES	7786864	2006-08-01	2010-08-31
United States	VEHICLE TO INFRASTRUCTURE INFORMATION CONVEYANCE SYSTEM AND METHOD	7791503	2007-10-18	2010-09-07
United States	COMBINED IMAGING AND DISTANCE MONITORING FOR VEHICULAR APPLICATIONS	7796081	2008-03-10	2010-09-14
United States	REMOTE MONITORING OF FLUID STORAGE TANKS	7819003	2007-10-01	2010-10-26
United States	ROAD PHYSICAL CONDITION MONITORING TECHNIQUES	7840342	2008-02-18	2010-11-23
United States	ACCIDENT AVOIDANCE SYSTEMS AND METHODS	7840355	2008-09-11	2010-11-23
United States	SWITCH ASSEMBLIES AND METHOD FOR CONTROLLING VEHICULAR COMPONENTS	7880594	2006-07-03	2011-02-01

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	VEHICULAR COMPONENT CONTROL USING WIRELESS SWITCH ASSEMBLIES	7889096	2007-02-22	2011-02-18
United States	METHOD FOR OBTAINING INFORMATION ABOUT OBJECTS OUTSIDE OF A VEHICLE	7899616	2008-03-31	2011-03-01
United States	ACCIDENT AVOIDANCE SYSTEM	7899621	2010-03-11	2011-03-01
United States	METHOD AND SYSTEM FOR OBTAINING INFORMATION ABOUT RFID-EQUIPPED OBJECTS	7911324	2007-05-30	2011-03-22
United States	INFORMATION TRANSMISSION ARRANGEMENT AND METHOD FOR VEHICLES	7912645	2007-07-16	2011-03-22
United States	VEHICULAR HEADS-UP DISPLAY SYSTEM	7920102	2006-10-23	2011-04-05
United States	AUTONOMOUS VEHICLE TRAVEL CONTROL SYSTEMS AND METHODS	7979172	2008-03-17	2011-07-12
United States	AUTONOMOUS VEHICLE TRAVEL CONTROL SYSTEMS AND METHODS	7979173	2008-03-17	2011-07-12
United States	VEHICULAR ENVIRONMENT SCANNING TECHNIQUES	7983802	2008-03-17	2011-07-19
United States	METHOD AND ARRANGEMENT FOR OBTAINING INFORMATION ABOUT VEHICLE OCCUPANTS	7983817	2005-01-03	2011-07-19
United States	VEHICLE-TRAFFIC CONTROL DEVICE COMMUNICATION TECHNIQUES	7983836	2008-02-18	2011-07-19
United States	AIRBAG DEPLOYMENT CONTROL USING SEATBELT-MOUNTED SENSOR	7988190	2007-10-26	2011-08-02
United States	INTERSECTION COLLISION AVOIDANCE TECHNIQUES	8000897	2008-01-10	2011-08-16
United States	MONITORING USING CELLULAR PHONES	8014789	2007-10-30	2011-09-06
United States	VEHICLE DIAGNOSTIC AND PROGNOSTIC METHODS AND SYSTEMS	8015501	2007-08-02	2011-09-13
United States	VEHICLE DIAGNOSTIC TECHNIQUES	8024084	2007-10-31	2011-09-20
United States	VEHICULAR HEADS-UP DISPLAY SYSTEM	8032264	2007-10-30	2011-10-04
United States	VEHICULAR MAP DATABASE MANAGEMENT TECHNIQUES	8209120	2008-03-10	2012-06-26
United States	VEHICLE DIAGNOSTIC INFORMATION GENERATING AND TRANSMISSION SYSTEMS AND METHODS	8229624	2008-02-21	2012-07-24
United States	INTRAVEHICLE INFORMATION CONVEYANCE SYSTEM AND METHOD	8255144	2007-10-18	2012-08-28
United States	DRIVER FATIGUE MONITORING SYSTEM AND METHOD	8604932	2008-12-22	2013-12-10
United States	VEHICLE SPEED CONTROL METHOD AND ARRANGEMENT	8630795	2012-04-24	2014-01-14
United States	EYE-LOCATION DEPENDENT VEHICULAR HEADS-UP DISPLAY SYSTEM	8686922	2008-03-13	2014-04-01
United States	DRIVER HEALTH AND FATIGUE MONITORING SYSTEM AND METHOD	8725311	2012-03-14	2014-05-13

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	TECHNIQUE FOR ENSURING SAFE TRAVEL OF A VEHICLE OR SAFETY OF AN OCCUPANT THEREIN	8768573	2012-10-11	2014-07-01
United States	VEHICULAR HEADS-UP DISPLAY SYSTEM	8818647	2007-10-26	2014-08-26
United States	TECHNIQUES FOR IMPROVING SAFE OPERATION OF A VEHICLE	8880296	2013-11-12	2014-11-04
United States	INFORMATION TRANSMITTAL TECHNIQUES FOR VEHICLES	8892271	2012-06-27	2014-11-18
United States	VEHICLE COMPONENT CONTROL METHODS AND SYSTEMS	9008854	2012-05-04	2015-04-15
United States	SINGLE SIDE CURTAIN AIRBAG FOR VEHICLES	9043093	2007-10-31	2015-05-26
United States	VEHICULAR CRASH NOTIFICATION SYSTEM	9102220	2007-10-25	2015-08-11
United States	MAPPING TECHNIQUES USING PROBE VEHICLES	9103671	2012-11-27	2015-08-11
United States	DRIVER FATIGUE MONITORING	9129508	2013-12-10	2015-09-08
United States	VEHICLE SOFTWARE UPGRADE TECHNIQUES	9443358	2007-10-31	2016-09-13
United States	METHOD FOR IDENTIFYING THE PRESENCE AND ORIENTATION OF AN OBJECT IN A VEHICLE	5943295	1997-08-28	1999-08-24
United States	VEHICLE COMPUTER DESIGN AND USE TECHNIQUES	11/940669	2007-11-15	
United States	VEHICLE SOFTWARE UPGRADE TECHNIQUES	13/964143	2013-08-12	
United States	METHOD AND SYSTEM FOR GUIDING A PERSON TO A LOCATION	14/931441	2015-11-03	
United States		14/858479		
United States		12/840148		

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	BONJITI SKELETAL INNOVATIONS LLC			
United States	EXPANDABLE CANNULA	5961499	1995-06-06	1999-10-05
United States	METHOD OF USING EXPANDABLE CANNULA	6338730	1995-06-06	2002-01-15
United States	METHOD AND APPARATUS FOR POSITIONING A SUTURE ANCHOR	5814073	1996-12-13	1998-09-29
United States	SUTURE ANCHOR	5718717	1996-08-29	1998-02-17
United States	SUTURE ANCHOR	5980559	1997-11-04	1999-11-09
United States	SUTURE ANCHOR	6007567	1999-03-01	1999-12-28
United States	METHOD FOR SECURING TISSUE WITH ANCHOR	6152949	1999-08-20	2000-11-28
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6010525	1997-08-01	2000-01-04
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6468298	2001-05-07	2002-10-22
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	7447652	2002-09-05	2006-12-12
United States	METHOD FOR IMPLANTING A FLOWABLE FASTENER	7879072	2006-05-31	2011-02-01
United States	METHOD AND APPARATUS FOR USE IN ANCHORING A SUTURE	5814072	1996-11-15	1998-09-29
United States	APPARATUS AND METHOD FOR USE IN POSITIONING A SUTURE ANCHOR	5948002	1998-02-11	1999-09-07
United States	APPARATUS AND METHOD FOR USE IN POSITIONING A SUTURE ANCHOR	6033430	1999-06-30	2000-03-07
United States	APPARATUS AND METHOD FOR USE IN POSITIONING AN ANCHOR	6312448	2000-01-07	2001-11-06
United States	APPARATUS AND METHOD FOR USE IN POSITIONING AN ANCHOR	6428562	2001-01-22	2002-08-06
United States	METHOD AND APPARATUS FOR USE IN OPERATING ON A BONE	6086593	1998-06-30	2000-07-11
United States	METHOD AND APPARATUS FOR USE IN OPERATING ON A BONE	6575982	2000-05-05	2003-06-10
United States	CHANGING RELATIONSHIP BETWEEN BONES	6099531	1998-08-20	2000-08-08
United States	CHANGING RELATIONSHIP BETWEEN BONES	6423063	2000-05-11	2002-07-23
United States	SPINAL IMPLANT AND METHODS FOR CHANGING SPATIAL RELATIONSHIPS BETWEEN VERTEBRAE	7892261	2004-04-13	2011-02-22
United States	JOINT SPACER	8956417	2013-01-18	2015-02-15
United States	BONE SUTURE	5921986	1998-02-06	1999-07-13
United States	BONE SUTURE	6117160	1999-06-01	2000-09-12
United States	BONE SUTURE	6045551	1999-07-29	2000-04-04
United States	METHOD OF TREATING A FRACTURED BONE	6238395	2000-03-22	2001-05-29

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD OF POSITIONING BODY TISSUE RELATIVE TO A BONE	6638279	2001-04-16	2003-10-28
United States	APPARATUS AND METHOD FOR SECURING A PORTION OF A BODY	8147514	2009-01-26	2012-04-03
United States	METHOD OF SECURING TISSUE	6447516	1999-08-09	2002-09-10
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6231592	1999-10-28	2001-05-15
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6475230	2000-03-20	2002-11-05
United States	METHOD OF SECURING BODY TISSUE	6635073	2002-02-21	2003-10-21
United States	METHOD OF SECURING BODY TISSUE	7087073	2003-04-14	2006-08-08
United States	INSTRUMENTATION FOR MINIMALLY INVASIVE JOINT REPLACEMENT AND METHODS FOR USING SAME	6702821	2001-08-28	2004-03-09
United States	LIMITED INCISION TOTAL JOINT REPLACEMENT METHODS	7959635	2004-03-08	2011-06-14
United States	METHOD OF PERFORMING SURGERY	7464996	2002-07-08	2006-09-12
United States	KNEE ARTHROPLASTY METHOD	8133229	2003-10-14	2012-03-13
United States	KNEE ARTHROPLASTY METHOD	7806896	2003-11-25	2010-10-05
United States	SYSTEM AND METHOD FOR TOTAL JOINT REPLACEMENT	7892236	2005-01-18	2011-02-22
United States	TOTAL KNEE ARTHROPLASTY THROUGH SHORTENED INCISION	7749229	2005-06-30	2010-07-06
United States	METHOD FOR TOTAL KNEE ARTHROPLASTY AND RESECTING BONE IN SITU	7708740	2005-06-30	2010-05-04
United States	KNEE ARTHROPLASTY AND PRESERVATION OF THE QUADRICEPS MECHANISM	7806897	2005-06-30	2010-10-05
United States	METHOD OF PREPARING BONES FOR KNEE REPLACEMENT SURGERY	7708740	2005-06-30	2010-05-04
United States	SURGICAL DRAPING SYSTEM	8739797	2006-10-03	2014-06-03
United States	INLAID ARTICULAR IMPLANT	7828852	2007-03-09	2010-11-09
United States	METHOD OF REPAIRING AN ARTICULAR SURFACE OF A BONE	7931690	2007-03-09	2011-04-26
United States	MINIMALLY INVASIVE SURGICAL SYSTEMS AND METHODS	7837736	2007-10-30	2010-11-23
United States	METHOD OF PREPARING A FEMUR AND TIBIA IN KNEE ARTHROPLASTY	8632552	2013-03-14	2014-01-21
United States	METHOD FOR ROBOTIC ARTHROPLASTY USING NAVIGATION	8641726	2013-03-14	2014-02-04
United States	ROBOTIC ARTHROPLASTY SYSTEM INCLUDING NAVIGATION	8623030	2013-03-14	2014-01-07
United States	METHOD FOR ROBOTIC ARTHROPLASTY USING NAVIGATION	8834490	2013-10-29	2014-09-16
United States	METHOD OF PERFORMING TOTAL KNEE ARTHROPLASTY	9192459	2014-04-22	2015-11-24
United States	ROBOTIC ARTHROPLASTY SYSTEM INCLUDING NAVIGATION	9060797	2014-08-05	2015-06-23

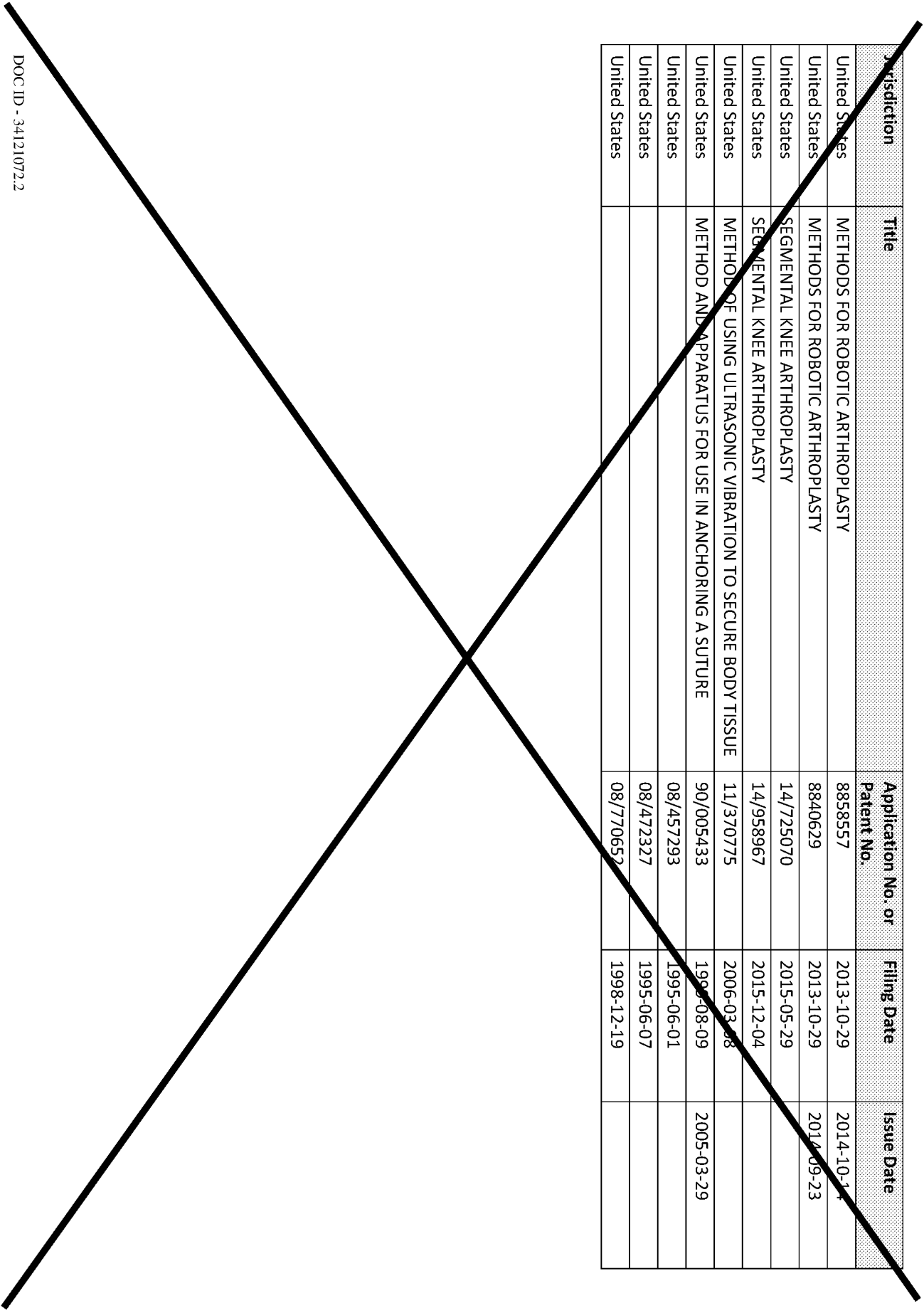
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Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SEGMENTAL KNEE ARTHROPLASTY	8784495	2010-06-08	2014-07-22
United States	APPARATUS AND METHOD FOR SECURING A SUTURE	7094251	2002-08-27	2006-08-22
United States	APPARATUS AND METHOD FOR SECURING A SUTURE	7854750	2006-08-17	2010-12-21
United States	METHOD FOR JOINING IMPLANTS	8162977	2007-10-31	2012-04-24
United States	SURGICAL DRAPING SYSTEM	7114500	2002-10-03	2006-10-03
United States	SUTURE ANCHOR	5989282	1997-09-15	1999-11-23
United States	SUTURE ANCHOR INSERTER ASSEMBLY AND METHOD	5782862	1996-07-01	1998-07-21
United States	SUTURE ANCHOR INSERTER ASSEMBLY AND METHOD	5897574	1998-07-07	1999-04-27
United States	METHOD OF USING ULTRASONIC VIBRATION TO SECURE BODY TISSUE	6368343	2000-03-13	2002-04-09
United States	METHOD OF USING ULTRASONIC VIBRATION TO SECURE BODY TISSUE	6585700	2002-02-15	2003-07-01
United States	METHOD AND DEVICE FOR SECURING BODY TISSUE	8138222	2004-02-17	2015-09-22
United States	METHOD AND DEVICE FOR SECURING BODY TISSUE	8932330	2004-02-17	2015-01-13
United States	METHOD OF USING ULTRASONIC VIBRATION TO SECURE BODY TISSUE WITH FASTENING ELEMENT	8747439	2006-07-10	2014-06-10
United States	METHOD OF USING ULTRASONIC VIBRATION TO SECURE BODY TISSUE WITH FASTENING ELEMENT	9067362	2007-10-31	2015-06-30
United States	METHOD AND DEVICE FOR SECURING BODY TISSUE	7329263	2004-03-09	2008-02-12
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6159234	1999-07-07	2000-12-12
United States	SPACER	8488066	2003-05-15	2013-07-16
United States	WEDGE APPARATUS FOR USE IN OPERATING ON A BONE	8690944	2007-10-30	2014-04-08
United States	WEDGE APPARATUS FOR USE IN OPERATING ON A BONE	8795363	2013-03-19	2014-08-05
United States	WEDGE APPARATUS FOR USE IN OPERATING ON A BONE	9044322	2014-07-29	2015-06-02
United States	WEDGE APPARATUS FOR USE IN OPERATING ON A BONE	9050152	2014-12-17	2015-06-09
United States	CHANGING RELATIONSHIP BETWEEN BONES	7780670	2002-05-05	2010-08-24
United States	JOINING SPACER	9044341	2004-01-13	2015-06-02
United States	METHOD AND APPARATUS FOR SECURING A SUTURE	6569187	2000-10-10	2003-05-27
United States	METHOD OF SECURING TISSUE	8845699	2012-03-06	2014-09-30
United States	METHOD OF SECURING BODY TISSUE	8814902	2006-07-31	2014-08-26
United States	METHODS FOR ROBOTIC ARTHROPLASTY	9101443	2012-02-29	2015-08-11

DOC ID : 341210722

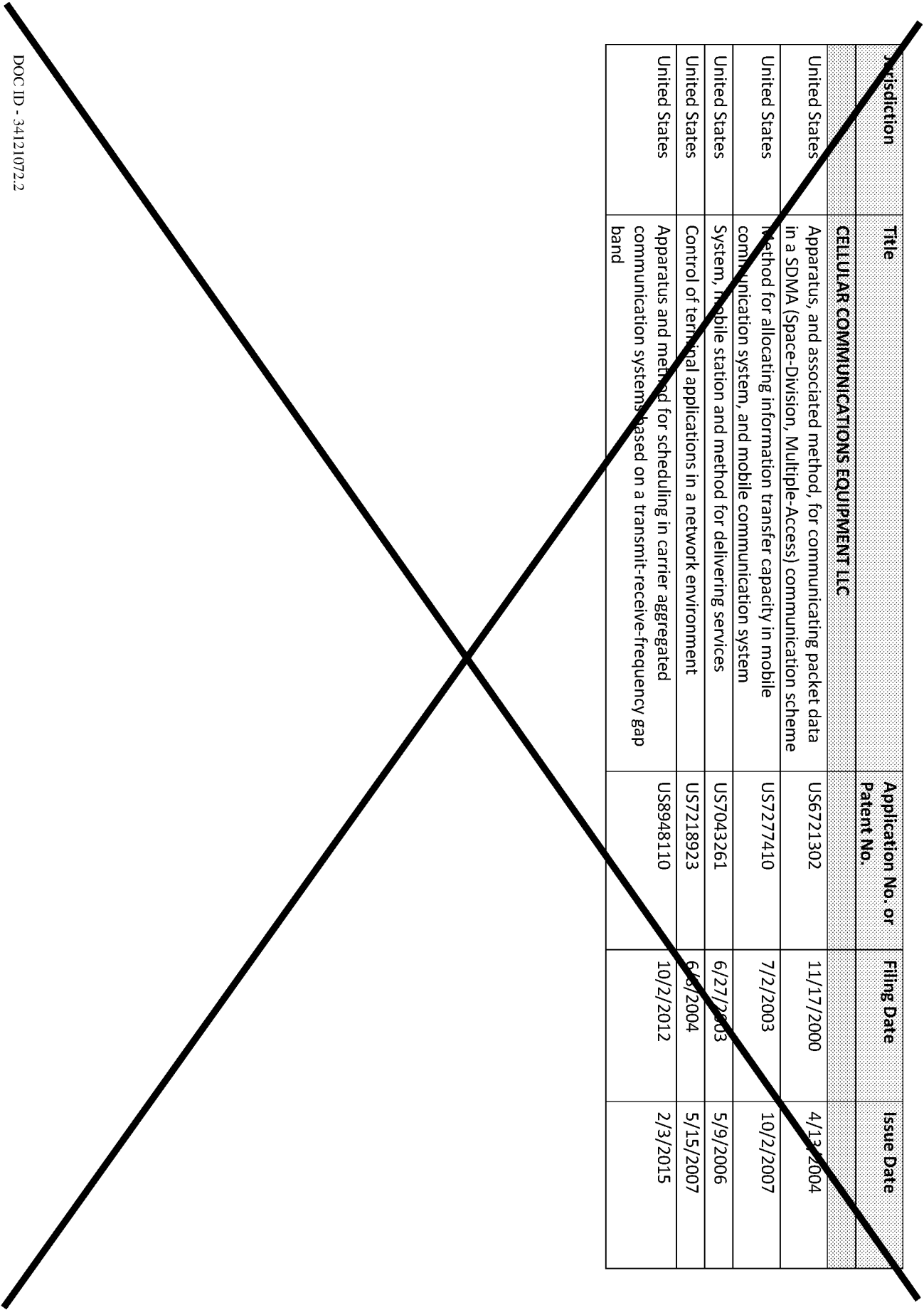
US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHODS FOR ROBOTIC ARTHROPLASTY	8858557	2013-10-29	2014-10-14
United States	METHODS FOR ROBOTIC ARTHROPLASTY	8840629	2013-10-29	2014-09-23
United States	SEGMENTAL KNEE ARTHROPLASTY	14/725070	2015-05-29	
United States	SEGMENTAL KNEE ARTHROPLASTY	14/958967	2015-12-04	
United States	METHOD OF USING ULTRASONIC VIBRATION TO SECURE BODY TISSUE	11/370775	2006-03-28	
United States	METHOD AND APPARATUS FOR USE IN ANCHORING A SUTURE	90/005433	1995-08-09	2005-03-29
United States		08/457293	1995-06-01	
United States		08/472327	1995-06-07	
United States		08/770652	1998-12-19	



DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	CELLULAR COMMUNICATIONS EQUIPMENT LLC			
United States	Apparatus, and associated method, for communicating packet data in a SDMA (Space-Division, Multiple-Access) communication scheme	US6721302	11/17/2000	4/13/2004
United States	Method for allocating information transfer capacity in mobile communication system, and mobile communication system	US7277410	7/2/2003	10/2/2007
United States	System, mobile station and method for delivering services	US7043261	6/27/2003	5/9/2006
United States	Control of terminal applications in a network environment	US7218923	6/6/2004	5/15/2007
United States	Apparatus and method for scheduling in carrier aggregated communication systems based on a transmit-receive-frequency gap band	US8948110	10/2/2012	2/3/2015



Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	INNOVATIVE DISPLAY TECHNOLOGIES, LLC			
United States	TRANSMITTERS, TRANSMITTER SYSTEMS AND DISPLAYS AND METHODS OF MAKING TRANSMITTERS	6827456	2001-12-05	2004-12-07
United States	LIGHT REDIRECTING FILMS INCLUDING NON-INTERLOCKABLE OPTICAL ELEMENTS	7364341	2004-09-30	2008-04-29
United States	TRANSMITTERS, TRANSMITTER SYSTEMS AND DISPLAYS AND METHODS OF MAKING TRANSMITTERS	7497599	2006-07-30	2009-03-03
United States	LIGHT REDIRECTING FILMS PATTERN OF VARIABLE OPTICAL ELEMENTS	7364342	2006-07-11	2008-04-29
United States	TRANSMITTERS, TRANSMITTER SYSTEMS AND DISPLAYS AND METHODS OF MAKING TRANSMITTERS	7448775	2006-07-25	2008-11-11
United States	TRANSMITTERS, TRANSMITTER SYSTEMS AND DISPLAYS AND METHODS OF MAKING TRANSMITTERS	7887222	2008-08-19	2011-02-15
United States	EDGE-LIT PANEL WITH CURVILINEAR LIGHT EXTRACTING DEFORMITIES	8322905	2011-12-07	2012-12-04
United States	LONG CURVED WEDGES IN AN OPTICAL FILM	7367705	2005-11-03	2008-05-06

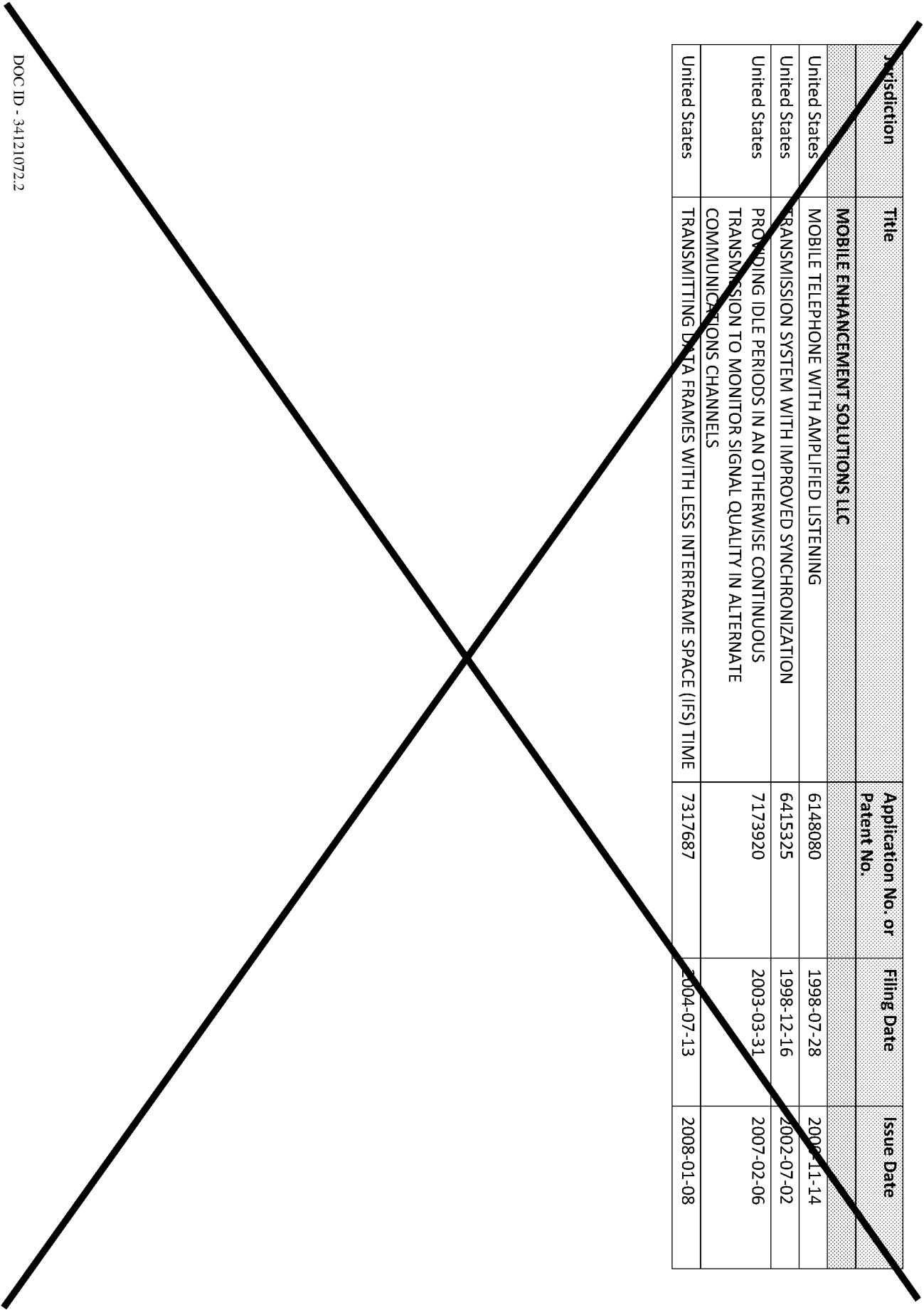
Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	LIFEPOINT SCIENCES LLC			
United States	MESH AND STENT FOR INCREASED FLEXIBILITY	6673103	2000-05-16	2004-01-06
United States	METHODS AND APPARATUS FOR TREATING ANEURYSMS AND ARTERIOVENOUS FISTULAS	7806857	2003-06-13	2010-10-05
United States	STAGED DEPLOYMENT ENDOGRAFT	7297156	2006-06-08	2007-11-20
United States	ARTIFICIAL GRAFT AND IMPLANTATION METHOD	6030413	1991-08-29	2000-02-29
United States	INTRALUMINAL GRAFTING SYSTEM	6221102	1995-06-07	2001-04-24
United States	HOOK FOR ATTACHING TO A CORPoreal LUMEN AND METHOD OF MANUFACTURING	6517573	2000-04-11	2003-02-11
United States	HOOK FOR ATTACHING TO A CORPoreal LUMEN AND METHOD OF MANUFACTURING	7147662	2002-12-19	2006-12-12
United States	MECHANISM FOR SECURING TO A CORPoreal LUMEN AND METHOD OF MANUFACTURING	7998194	2010-04-30	2011-08-16
United States	SYSTEM AND METHOD FOR FORMING A JUNCTION BETWEEN ELEMENTS OF A MODULAR ENDOVASCULAR PROSTHESIS	7135037	2000-05-01	2006-11-14
United States	MODULAR GRAFT COMPONENT JUNCTIONS	7226474	2002-03-04	2007-06-05
United States	MODULAR GRAFT COMPONENT JUNCTIONS	9107743	2012-12-20	2015-08-18
United States	ENDOVASCULAR GRAFTING DEVICE	8211166	2003-02-26	2012-07-03
United States	METHOD OF MAKING A STENT-GRAFT COVERED WITH EXPANDED POLYTETRAFLUOROETHYLENE	5788626	1996-11-18	1998-08-04
United States	EXPANDABLE STENT-GRAFT COVERED WITH EXPANDED POLYTETRAFLUOROETHYLENE	6165211	1997-12-11	2000-12-26
United States	EXPANDABLE STENT-GRAFT COVERED WITH EXPANDED POLYTETRAFLUOROETHYLENE	RE40122	2001-06-01	2008-02-26
United States	STENT-GRAFT-MEMBRANE AND METHOD OF MAKING THE SAME	6156064	1998-08-14	2000-12-05
United States	ENDOLUMINAL STENT	8192482	2001-10-15	2012-06-05
United States	BIFURCATED ENDOLUMINAL PROSTHESIS	7942919	2004-02-23	2011-05-17
United States	BALLOON-ASSISTED INTRALUMINAL STENT GRAFT	6402779	1999-07-26	2002-06-11
United States	METHOD OF MAKING LARGE DIAMETER VASCULAR PROSTHESES AND A VASCULAR PROSTHESIS MADE BY SAID METHOD	6187054	1999-02-04	2001-02-13
United States	EXPANDABLE VASCULAR PROSTHESIS	6443981	2000-05-19	2002-09-03

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	METHOD OF MAKING LARGE DIAMETER VASCULAR PROSTHESES AND VASCULAR PROSTHESIS MADE BY SAID METHOD	6605119	2000-11-01	2003-08-12
United States	VARIABLE STENT AND METHOD FOR TREATMENT OF ARTERIAL DISEASE	6030414	1997-11-13	2000-02-29
United States	EXPANDABLE STENT-GRAFT COVERED WITH EXPANDED POLYTETRAFLUOROETHYLENE	6524334	2000-04-21	2003-02-25
United States	BIFURCATED GRAFT WITH INCREASING DIAMETER LEG	09/637505	2000-08-11	

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	LIMESTONE MEMORY SYSTEMS LLC			
United States	SYNCHRONOUS SEMICONDUCTOR MEMORY HAVING A BURST TRANSFER MODE WITH A PLURALITY OF SUBARRAYS ACCESSIBLE IN PARALLEL VIA AN INPUT BUFFER	5805504	1996-11-29	1998-09-08
United States	METHOD FOR HIGH-SPEED PROGRAMMING OF A NONVOLATILE SEMICONDUCTOR MEMORY DEVICE	5943260	1998-02-20	1999-08-24
United States	SEMICONDUCTOR MEMORY DEVICE WITH REDUNDANCY CIRCUIT	5894441	1998-03-31	1999-04-13
United States	SEMICONDUCTOR MEMORY DEVICE WITH IMPROVED FLEXIBLE REDUNDANCY SCHEME	6233181	1999-02-17	2001-05-15
United States	SEMICONDUCTOR MEMORY DEVICE WITH IMPROVED FLEXIBLE REDUNDANCY SCHEME	6545931	2002-08-28	2003-04-08
United States	CLOCK SYNCHRONOUS SEMICONDUCTOR MEMORY DEVICE	6697296	2002-05-09	2004-02-24

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	MOBILE ENHANCEMENT SOLUTIONS LLC			
United States	MOBILE TELEPHONE WITH AMPLIFIED LISTENING	6148080	1998-07-28	2006-11-14
United States	TRANSMISSION SYSTEM WITH IMPROVED SYNCHRONIZATION	6415325	1998-12-16	2002-07-02
United States	PROMPTING IDLE PERIODS IN AN OTHERWISE CONTINUOUS TRANSMISSION TO MONITOR SIGNAL QUALITY IN ALTERNATE COMMUNICATIONS CHANNELS	7173920	2003-03-31	2007-02-06
United States	TRANSMITTING DATA FRAMES WITH LESS INTERFRAME SPACE (IFS) TIME	7317687	2004-07-13	2008-01-08



Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
MONARCH NETWORKING SOLUTIONS				
United States	CMOS image sensor and manufacturing method thereof	US6635912	9/7/2001	10/21/2003
United States	Nonvolatile memory with independent access capability to associated buffer	US7334080	5/3/2005	2/19/2008
United States	Non-volatile memory having multiple erase operations	US7581058	12/24/2007	8/25/2009
United States	Semiconductor device with non-volatile memory and random access memory	US8432716	12/17/2010	4/30/2013
United States	Method and system for accessing a peer-to-peer network	US7342928	4/30/2004	3/11/2008
United States	Method and system for protecting a communication network, said communication network including a transport network	US7764602	12/15/2006	7/27/2010
United States	Method for control management based on a routing protocol	US8116148	12/11/2006	8/20/2013
United States	Method and system for the transfer of communication network administration information	US8321544	7/5/2007	11/27/2012
United States	System and method for managing virtual user domains	US7765583	2/28/2005	7/27/2010
United States	Method for controlling routing in a packet network supported by a transport network	US7978687	5/22/2008	7/12/2011
United States	Method and device for creating a tunnel in a label-switched telecommunication network	US7852840	10/29/2007	12/14/2010
United States	Network management method, a system and a device	US9100267	12/4/2007	8/4/2015
United States	System for multicast broadcasting towards at least one roaming user terminal in a mobile IP network	US8000279	6/14/2007	8/16/2011
United States	Method for operating a local computer network connected to a remote private network by an IPsec tunnel, software module and IPsec gateway	US7869454	12/14/2005	1/11/2011
United States	Addressing method for transporting data on a telecommunication network, corresponding address structure signal, gateway and computer program	US7965737	10/30/2008	6/21/2011
United States	Method and apparatus for dynamic assignment of sets of addresses	US8214477	10/1/2008	7/3/2012
United States	IP telephony service interoperability	US8576856	6/27/2008	11/5/2013
United States	Burn-in system for multicast data transmission	US8427994	12/22/2008	11/23/2013
United States	Method of propagating multiple IP telephony routes, and a corresponding location server and computer program	US8514843	10/20/2008	8/20/2013
United States	Method for transmitting a plurality of identifier fields in a packet switch network	US7953091	10/28/2008	5/31/2011

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System for securing the access to a destination in a virtual private network	US8379511	3/25/2009	2/19/2013
United States	Routing method in a label switching network	US8218432	3/23/2009	7/10/2012
United States	Core router capable of securing the output router of an autonomous system	US8223629	3/20/2009	7/17/2012
United States	Method of routing an SIP message in the event of unavailability of intermediate nodes	US8964524	8/18/2009	2/24/2015
United States	Method of supervising a plurality of units in a communications network	US8826296	6/29/2009	9/2/2014
United States	Method of routing a data packet via a router in a packet communications network supported by a transport network	US8824277	7/14/2009	9/2/2014
United States	Method for organizing packets belonging to streams, and associated equipment	US7938204	12/19/2007	4/26/2011
United States	Packet assembly in a communication network supporting virtual networks	US8155149	7/17/2009	4/10/2012
United States	Service management in a network	US8174965	10/2/2009	5/8/2012
United States	Mechanism for protecting a pseudo-wire	US8130775	11/25/2009	3/6/2012
United States	Method for processing data packets while communicating with a machine via one or more secondary networks	US8130765	5/23/2008	3/6/2012
United States	Method and a device for maintaining an address translation table	US8522317	5/11/2010	8/27/2013
United States	Method of routing a data packet in a network and an associated device	US8693369	9/28/2010	4/8/2014
United States	Mechanism for updating parameters of a session set up through a virtual circuit	US8804749	10/21/2010	8/12/2014
United States	Method of receiving a data packet coming from an IPv4 domain in an IPv6 domain, an associated device, and associated access equipment	US8451844	12/29/2010	5/28/2013
United States	Method of receiving a data packet in an IPv6 domain, an associated device and an associated home gateway	US8451845	12/29/2010	5/28/2013
United States	Method for protecting a pseudo-wire	US8724451	3/8/2011	5/13/2014
United States	Technique for communication between a plurality of nodes	US8797894	1/13/2011	8/5/2014
United States	Service continuity management in a network	US9225752	8/4/2009	12/29/2015
United States	Management of routing topology in a network	US8811226	2/22/2011	8/11/2014
United States	Virtual circuit configuration method	US8599680	6/28/2011	12/3/2013

DOC ID : 341210722

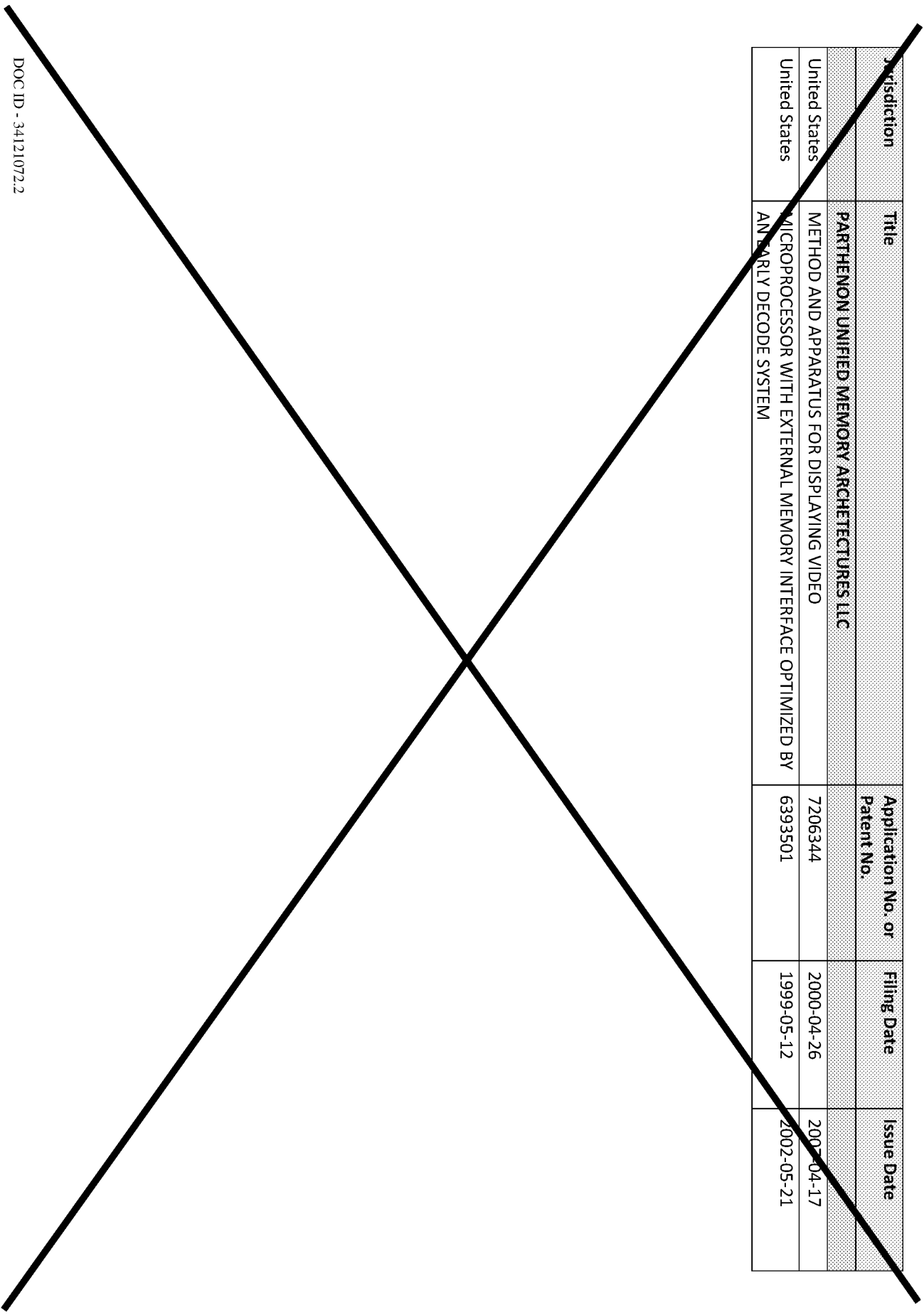
US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Technique for protecting a point-to-multipoint primary tree in a connected mode communications network	US9191221	11/10/2010	11/17/2013
United States	Methods for sending and processing an SIP response	US8804498	6/1/2012	9/12/2014
United States	Management of private virtual networks	US8923162	8/16/2012	12/30/2014
United States	Multipoint-to-point pseudowire	US9083631	8/7/2012	7/14/2015
United States	Method and devices for managing a data flow transfer	US9160547	4/12/2011	10/13/2015
United States	Method and apparatuses for establishing a link between two devices	US9578551	12/18/2012	2/21/2017
United States	Methods and devices for routing data packets between IPv4 and IPv6 networks	US9019965	4/20/2012	4/28/2015
United States	Routing method reducing the consequences of microloops	US9985980	12/14/2015	5/29/2018
United States	Routing method reducing the consequences of microloops	US95966162	4/30/2018	

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	NEXUS DISPLAY TECHNOLOGIES LLC			
United States	SYSTEM AND METHOD FOR SENDING MULTIPLE DATA SIGNALS OVER A SERIAL LINK	5835498	1996-06-14	1999-11-10
United States	SYSTEM FOR HIGH SPEED SERIAL VIDEO SIGNAL TRANSMISSION USING DC-BALANCED CODING	5974464	1996-09-30	1999-10-26
United States	METHODS AND SYSTEMS FOR TMDS ENCRYPTION	6870930	2000-05-26	2005-03-22
United States	AUXILIARY DATA TRANSMITTED WITHIN A DISPLAY'S SERIALIZED DATA STREAM	7143328	2001-08-29	2006-11-28
United States	AUXILIARY DATA TRANSMITTED WITHIN A DISPLAY'S SERIALIZED DATA STREAM	7555693	2006-07-17	2009-06-30
United States	METHOD AND SYSTEM FOR TRANSMITTING N-BIT VIDEO DATA OVER A SERIAL LINK	7599489	2005-06-24	2009-10-06
United States	METHOD AND SYSTEM FOR TRANSMITTING OR RECEIVING N-BIT VIDEO DATA OVER A SERIAL LINK	8311126	2009-07-13	2012-11-13
United States	METHOD AND APPARATUS FOR SYNCHRONIZING AUXILIARY DATA AND VIDEO DATA TRANSMITTED OVER A TMDS-LIKE LINK	7295578	2001-09-12	2007-11-13

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	PARTHENON UNIFIED MEMORY ARCHITECTURES, LLC			
United States	METHOD AND APPARATUS FOR DISPLAYING VIDEO	7206344	2000-04-26	2002-04-17
United States	MICROPROCESSOR WITH EXTERNAL MEMORY INTERFACE OPTIMIZED BY AN EARLY DECODE SYSTEM	6393501	1999-05-12	2002-05-21



DOC ID - 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	R2 SOLUTIONS, LLC System and method for personalized information filtering and alert generation	US6381594B1	7/11/2000	4/30/2002
United States	Brinkant query system	US6546386B1	10/31/2000	4/8/2003
United States	Metatag based datamining	US7464086B2	9/14/2000	12/9/2008
United States	Targeted e-commerce system	US7702541B2	12/15/2000	4/20/2010
United States	Technique for deleting duplicate records referenced in an index of a database	US6745194B2	8/3/2001	6/1/2004
United States	Offline-online incentive points system and method	US7424617B2	12/31/2003	9/9/2008
United States	Systems and methods for identifying and extracting data from HTML pages	US6920809B1	8/24/2000	7/19/2005
United States	System and methods for implementing code translations that enable persistent client-server communication via a proxy	US7058699B1	8/29/2000	6/6/2006
United States	Intelligent voice converter	US7327696B1	3/27/2003	2/5/2008
United States	Intelligent voice bridging	US6556563B1	9/11/2000	4/29/2003
United States	Message store architecture	US6580786B1	9/11/2000	6/17/2003
United States	Voice integrated VOIP system	US7760705B2	9/29/2004	7/20/2010
United States	Intelligent voice converter	US6567419B1	9/11/2000	5/20/2003
United States	Voice integrated VOIP system	US7095733B1	9/11/2000	8/22/2006
United States	Web page connectivity server	US6398051B1	9/19/2000	7/22/2003
United States	Web page connectivity server construction	US6701317B1	9/19/2000	3/2/2004
United States	Web page connectivity server construction	US7260583B2	12/16/2003	8/21/2007
United States	Method and apparatus for ranking Web page search results	US6606008B1	10/25/2000	5/6/2003
United States	Method and apparatus for ranking web page search results	US6871202B2	5/6/2003	3/22/2005
United States	Method for estimating coverage of web search engines	US7308445B2	1/21/2004	12/11/2007
United States	Online playback system with community bias	US7454509B2	7/10/2001	11/18/2008
United States	Multi-language system for online communications	US7870001B2	6/16/2008	1/11/2011
United States	Multi-language system for online communications	US7418390B1	11/20/2000	8/26/2008
United States	Approach for managing and providing content to users	US7243136B2	1/17/2001	7/10/2007

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method to determine the validity of an interaction on a network	US7136860B2	1/19/2001	11/14/2006
United States	System and method to determine the validity of an interaction on a network	US7447691B2	5/11/2005	11/14/2008
United States	System and method to determine the validity of an interaction on a network	US9894173B2	1/17/2017	2/13/2018
United States	System and method to determine the validity of an interaction on a network	US9600557B2	4/5/2013	3/21/2017
United States	System and method to determine the validity of and interaction on a network	US79333903B2	1/22/2010	4/26/2011
United States	System and method to determine the validity of an interaction on a network	US8423843B2	2/24/2011	4/16/2013
United States	System and method to determine the validity of an interaction on a network	US7668861B2	9/20/2007	2/23/2010
United States	High performance client-server communication system	US7325030B2	1/25/2001	1/29/2008
United States	Distributed active knowledge and process base allowing system elements to be shared within a collaborative framework	US7032006B2	1/26/2001	4/18/2006
United States	Systems and methods for predicting traffic on internet sites	US7558865B2	10/1/2004	7/7/2009
United States	Systems and methods for predicting traffic on internet sites	US6801945B2	1/31/2001	10/5/2004
United States	System and method for managing advertising inventory to maximize advertising revenue	US7546249B2	2/6/2001	6/9/2009
United States	System and method for detecting and verifying digitized content over a computer network	US7858670B2	6/16/2008	12/14/2010
United States	System and method for detecting and verifying digitized content over a computer network	US7406529B2	2/9/2001	7/29/2008
United States	Search engine for selecting targeted messages	US6778975B1	5/5/2001	8/17/2004
United States	Method and system for indexing information and providing results for a search including objects having predetermined attributes	US10210222B2	3/12/2014	2/19/2019
United States	Method and system for indexing information and providing results for a search including objects having predetermined attributes	US8171010B2	10/19/2009	5/1/2012
United States	Method and system for indexing information and providing results for a search including objects having predetermined attributes	US9031942B2	3/29/2012	5/18/2015
United States	Method and system for indexing information and providing results for a search including objects having predetermined attributes	US7620622B1	3/8/2001	11/17/2009

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Global network of web card systems and method thereof	US7512666B2	4/18/2001	3/31/2008
United States	Relationship discovery engine	US10445809B2	12/6/2012	10/25/2019
United States	Relationship discovery engine	US8352331B2	4/30/2001	1/8/2013
United States	Content-related wallpaper	US8271333B1	10/30/2001	9/18/2012
United States	System for controlling and enforcing playback restrictions for a media file by splitting the media file into usable and unusable portions for playback	US7024485B2	11/8/2002	4/4/2006
United States	System for controlling and enforcing playback restrictions for a media file by splitting the media file into usable and unusable portions for playback	US7315899B2	4/28/2005	1/1/2008
United States	File splitting, scalable coding, and asynchronous transmission in streamed data transfer	US7675065B2	10/31/2007	7/5/2011
United States	Relationship discovery engine	US8005724B2	3/26/2003	8/23/2011
United States	Information retrieval engine	US7162482B1	6/11/2002	1/9/2007
United States	Information retrieval engine	US7720852B2	6/22/2006	5/18/2010
United States	Determining a known character string equivalent to a query string	US7251665B1	5/3/2001	7/31/2007
United States	Determining a known character string equivalent to a query string	US7546316B2	6/14/2007	6/9/2009
United States	Method and system for providing advertising inventory information in response to demographic inquiries	US8060416B2	5/7/2001	11/15/2011
United States	Method and apparatus for accessing targeted, personalized voice/audio web content through wireless devices	US8206745B2	3/8/2004	4/17/2007
United States	Method and apparatus for accessing targeted, personalized voice/audio web content through wireless devices	US6728731B2	5/15/2001	4/27/2004
United States	Online media exchange	US7962363B2	11/22/2002	6/14/2011
United States	Load balancing system and method in a multiprocessor system	US7203747B2	5/25/2001	4/10/2007
United States	Centralized feed manager	US8135805B2	9/1/2008	3/13/2012
United States	Centralized feed manager	US7177931B2	5/31/2001	2/13/2007
United States	Centralized feed manager	US8392536B2	3/8/2012	3/5/2013
United States	Centralized feed manager	US7792926B2	11/6/2006	9/7/2010
United States	Efficient data transmissions based on a policy	US7136935B2	6/22/2001	11/14/2006
United States	Financial information portal	US7640210B2	2/12/2008	12/29/2009

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Financial information portal	US7370011B2	6/28/2001	5/6/2008
United States	Method and system for enabling a script on a first computer to communicate and exchange data with a script on a second computer over a network	US7051119B2	7/12/2001	5/27/2006
United States	Method and system for enabling a script on a first computer to exchange data with a script on a second computer over a network	US7650378B2	1/19/2006	1/19/2010
United States	Search engine account monitoring	US7076479B1	8/5/2001	7/11/2006
United States	Search engine account monitoring	US7043471B2	3/28/2002	5/9/2006
United States	Search engine account monitoring	US7483886B2	5/9/2006	1/27/2009
United States	Technique for license management and online software license enforcement	US7890450B2	1/6/2009	2/15/2011
United States	System and method of sending chunks of data over wireless devices	US7143181B2	8/24/2001	11/28/2006
United States	Reduction of meta data in a network	US6892206B2	8/24/2001	5/10/2005
United States	Data list transmutation and input mapping	US6950994B2	8/24/2001	9/27/2005
United States	System and method for correlating user data from a content provider and user data from an advertising provider that is stored on autonomous systems	US7257546B2	9/4/2001	8/14/2007
United States	Targeted advertisements using time-dependent key search terms	US7007074B2	9/10/2001	2/28/2006
United States	System and method for enhancing crawling by extracting requests for webpages in an information flow	US7093012B2	9/13/2001	8/15/2006
United States	Cooperative management of distributed network caches	US7208754B2	3/2/2005	4/10/2007
United States	Cooperative management of distributed network caches	US7117262B2	10/30/2001	10/3/2006
United States	System and method allowing advertisers to manage search listings in a pay for placement search system using grouping	US7698315B2	5/8/2006	4/13/2010
United States	System and method allowing advertisers to manage search listings in a pay for placement search system using grouping	US6826572B2	11/13/2001	11/30/2004
United States	System and method allowing advertisers to manage search listings in a pay for placement search system using grouping	US7043483B2	6/8/2004	5/9/2006
United States	Retail coupon distribution apparatus and method	US7184972B2	12/14/2001	1/27/2007
United States	Providing instant messaging functionality in non-instant messaging environments	US7359943B2	1/22/2002	4/15/2008
United States	Method for ranking web page search results	US7398461B1	1/24/2002	7/8/2008

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Header-based network API	US8296462B2	12/28/2010	10/23/2012
United States	Header-based network API	US7870293B2	2/15/2002	1/14/2011
United States	Content-based billing	US9331983B2	2/15/2002	5/3/2016
United States	Proxy-client-server communication system	US7103671B2	3/14/2002	9/5/2006
United States	Using network traffic logs for search enhancement	US73998271B1	4/16/2002	7/8/2008
United States	Using network traffic logs for search enhancement	US8203952B2	7/17/2008	6/19/2012
United States	Using network traffic logs for search enhancement	US7996397B2	7/7/2008	8/9/2011
United States	Using network traffic logs for search engine index updates	US8509266B2	6/8/2012	8/13/2013
United States	Phonetic self-improving search engine	US6976045B2	4/19/2002	12/13/2005
United States	Phonetic self-improving search engine	US7166235B2	11/18/2005	5/11/2010
United States	Comparison of data signals using characteristic electronic thumbprints extracted therefrom	US8392148B2	4/3/2012	3/5/2013
United States	Comparison of data signals using characteristic electronic thumbprints extracted therefrom	US8620626B2	9/14/2012	12/31/2013
United States	Comparison of data signals using characteristic electronic thumbprints extracted therefrom	US9659091B2	11/4/2013	5/23/2017
United States	Comparison of data signals using characteristic electronic thumbprints extracted therefrom	US8160840B2	11/30/2010	4/17/2012
United States	Comparison of data signals using characteristic electronic thumbprints extracted therefrom	US7853438B2	7/31/2008	12/14/2010
United States	Comparison of data signals using characteristic electronic thumbprints extracted therefrom	US7421576B1	4/24/2002	9/2/2008
United States	Use of extensible markup language in a system and method for influencing a position on a search result list generated by a computer network search engine	US7054857B2	5/8/2002	5/30/2006
United States	Use of extensible markup language in a system and method for influencing a position on a search result list generated by a computer network search engine	US7698281B2	5/25/2006	4/13/2010
United States	Method and apparatus for categorizing and presenting documents of a distributed database	US8260786B2	2/17/2005	9/4/2012
United States	Method and apparatus for categorizing and presenting documents of a distributed database	US7231395B2	5/24/2002	6/12/2007

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for categorizing and presenting documents of a distributed database	US7792818B2	4/28/2006	9/7/2010
United States	Method and apparatus for accelerating and improving access to network files	US7228317B1	6/18/2002	9/5/2007
United States	Method and apparatus for search ranking using human input and automated ranking	US7599911B2	8/5/2002	10/6/2009
United States	System and method for conducting an auction-based ranking of search results on a computer network	US7555485B2	8/22/2002	6/30/2009
United States	System and method for conducting an auction-based ranking of search results on a computer network	US7702672B2	5/28/2009	4/20/2010
United States	Automated processing of appropriateness determination of content for search listings in wide area network searches	US6983280B2	9/13/2002	1/3/2006
United States	Associating documents with classification and ranking documents based on classification weights	US9047370B2	4/1/2009	6/2/2015
United States	Associating documents with classifications and ranking documents based on classification weights	US7028027B1	9/30/2002	4/11/2006
United States	Associating documents with classifications and ranking documents based on classification weights	US7533119B2	1/18/2006	5/12/2009
United States	Information retrieval system and method employing spatially selective features	US7707140B2	10/9/2002	4/27/2010
United States	Systems and methods for selecting a date or range of dates	US7278111B2	12/26/2002	10/2/2007
United States	Query string matching method and apparatus	US7724565B2	1/28/2003	6/8/2010
United States	Query string matching method and apparatus	US8001119B2	4/22/2010	8/16/2011
United States	Method for embedding a component in a base	US7294529B2	9/23/2004	11/13/2007
United States	Method for embedding a component in a base	US8368201B2	7/18/2011	2/5/2013
United States	Method for embedding a component in a base and forming a contact	US6991966B2	9/23/2004	1/31/2006
United States	Method for embedding a component in a base	US7332909B2	5/4/2007	6/8/2010
United States	Suggesting an alternative to the spelling of a search query	US7440941B1	2/10/2003	10/21/2008
United States	Generating descriptions of matching resources based on the kind, quality, and relevance of available sources of information about the matching resources	US8745044B2	7/11/2008	6/3/2014

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Generating descriptions of matching resources based on the kind, quality, and relevance of available sources of information about the matching resources	US7406458B1	2/11/2003	7/29/2008
United States	Generating descriptions of matching resources based on the kind, quality, and relevance of available sources of information about the matching resources	US9280603B2	6/3/2014	3/8/2016
United States	System and method for mobile electronic messaging	US6813489B1	2/6/2003	11/2/2004
United States	Displaying paid search listings in proportion to advertiser spending	US8001103B2	7/31/2008	8/16/2011
United States	Displaying paid search listings in proportion to advertiser spending	US7454409B2	3/31/2003	11/18/2008
United States	Associating and linking compact disc metadata	US7707224B1	4/2/2003	4/27/2010
United States	Associating and linking compact disc metadata	US7664062B2	6/8/2009	7/19/2011
United States	Affinity analysis method and article of manufacture	US6873996B2	4/16/2003	3/29/2005
United States	Method and apparatus for machine learning a document relevance function	US7197497B2	4/25/2003	3/27/2007
United States	Systems and methods for relating events to a date or date range selection	US7496857B2	4/25/2003	2/24/2009
United States	Method and system for blending search engine results from disparate sources into one search result	US7219090B2	4/25/2003	5/15/2007
United States	Detection of improper search queries in a wide area network search engine	US8166014B2	5/2/2003	4/24/2012
United States	Method and system for controlling and monitoring a web-cast	US7849152B2	6/9/2003	12/7/2010
United States	System and method for providing a webpage	US7111229B2	6/25/2003	9/19/2006
United States	System and method for instant messaging using an e-mail protocol	US7406501B2	6/30/2003	7/29/2008
United States	Disambiguation of search phrases using interpretation clusters	US7225184B2	7/18/2003	5/29/2007
United States	Apparatus, system and method for use in generating and maintaining an electronic address book	US7539699B2	7/21/2003	5/26/2009
United States	Centrally controllable instant messaging system	US7240214B2	8/8/2003	7/3/2007
United States	Selecting among advertisements competing for a slot associated with electronic content delivered over a network	US8380572B2	8/25/2003	2/19/2013
United States	Content delivery frequency capping method	US7359952B2	8/25/2003	4/15/2008
United States	Slideout windows	US7325204B2	8/29/2003	1/29/2008

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for providing desktop application functionality in a client/server architecture	US7890961B2	8/29/2003	2/15/2011
United States	On-line software rental	US7523071B2	9/16/2003	4/21/2009
United States	Online software rental	US8583558B2	4/20/2009	11/12/2013
United States	Visibly distinguishing portions of compound words	US7747428B1	9/24/2008	6/29/2010
United States	Visibly distinguishing portions of compound words	US7464020B1	9/24/2003	12/9/2008
United States	Learned upload time estimate module	US7840646B2	10/8/2003	11/23/2010
United States	Method and system for creating, serving and tracking advertisements	US8000999B2	10/28/2003	8/16/2011
United States	Canonicalization of terms in a keyword-based presentation system	US7007014B2	11/7/2003	2/28/2006
United States	Canonicalization of terms in a keyword-based presentation system	US7498074B2	11/17/2005	7/15/2008
United States	Countrytagging	US7441044B2	11/10/2003	10/21/2008
United States	Systems and methods for search query processing using trend analysis	US7562076B2	5/30/2007	7/14/2009
United States	Systems and methods for generating concept units from search queries	US7051023B2	11/12/2003	5/23/2006
United States	Systems and methods for search query processing using trend analysis	US7240049B2	11/12/2003	7/3/2007
United States	Method and apparatus for assisting with playback of remotely stored media files	US7590711B2	4/17/2007	9/15/2009
United States	Method and apparatus for assisting with playback of remotely stored media files	US8775659B2	2/5/2010	7/8/2014
United States	Method and apparatus for assisting with playback of remotely stored media files	US7673062B2	11/18/2003	3/2/2010
United States	Method and apparatus for assisting with playback of remotely stored media files	US9584559B2	1/31/2014	2/28/2017
United States	Method and apparatus for performing a search	US7844589B2	12/1/2003	11/30/2010
United States	Method and apparatus for performing a search	US9201963B2	11/8/2010	12/1/2015
United States	Click-through re-ranking of images and other data	US7634472B2	12/5/2003	12/15/2009
United States	Communication among browser windows	US8528003B2	1/6/2004	9/3/2013
United States	Listings optimization using a plurality of data sources	US7617203B2	1/6/2004	11/10/2009
United States	Value system for dynamic composition of pages	US7574651B2	1/15/2004	8/11/2009
United States	Dynamic pari-mutuel market	US7788158B2	2/3/2004	8/31/2010
United States	System and method for providing an improved graphical user interface for search	US7337185B2	2/20/2004	2/26/2008

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for providing an improved graphical user interface for search	US7908289B2	9/21/2007	3/15/2011
United States	Single-layer component package	US8817485B2	10/21/2009	9/26/2014
United States	Electronic module	US7609527B2	10/17/2007	10/27/2009
United States	Method for manufacturing an electronic module	US7299546B2	8/25/2008	11/27/2007
United States	Electronic module	US10085345B2	8/25/2014	9/25/2018
United States	Product data classification	US7672877B1	2/26/2004	3/2/2010
United States	Associating product offerings with product abstractions	US886854B1	2/26/2004	10/21/2014
United States	Scoring mechanism selection along multiple dimensions	US7359898B1	2/26/2004	4/15/2008
United States	Suggesting an alternative to the spelling of a search query	US7672927B1	2/27/2004	3/2/2010
United States	Keyword recommendation for internet search engines	US8676830B2	3/4/2004	3/18/2014
United States	Method and system of providing browser functionality through a browser button	US7506260B2	3/5/2004	3/17/2009
United States	Method and system of providing customizable buttons in search	US7793227B2	3/5/2004	9/7/2010
United States	Vector analysis of histograms for units of a concept network in search query processing	US7340460B1	3/9/2004	3/4/2008
United States	Systems and methods for search processing using superunits	US7346629B2	3/9/2004	3/18/2008
United States	Predicting inventory availability and prioritizing the serving of competing advertisements based on contract value	US7895077B2	3/11/2004	2/22/2011
United States	Method and system for finding related nodes in a social network	US7616307B2	3/11/2004	3/21/2006
United States	Detecting system abuse	US7533414B1	3/17/2004	5/12/2009
United States	Method and system of controlling a context menu	US7721228B2	3/18/2004	5/18/2010
United States	Computation of page authority weights using personalized bookmarks	US7343374B2	3/29/2004	3/11/2008
United States	Delivering items based on links to resources associated with search results	US7359893B2	3/31/2004	4/15/2008
United States	Electronic module with a conductive-pattern layer and a method of manufacturing same	US8034658B2	11/16/2005	10/11/2011
United States	Method for manufacturing an electronic module and an electronic module	US9363898B2	2/17/2015	9/7/2016
United States	Content bridge for associating host content and guest content wherein guest content is determined by search	US7107264B2	3/31/2004	9/12/2005

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Electric module having a conductive pattern layer	US8222723B2	2/3/2010	7/17/2012
United States	Method for manufacturing an electronic module and an electronic module	US8704359B2	5/31/2011	4/22/2014
United States	Electronic module with a conductive-pattern layer and a method of manufacturing same	US7663215B2	9/23/2005	2/16/2010
United States	Universal search interface systems and methods	US7698327B2	4/5/2004	4/13/2010
United States	Search system using search subdomain and hints to subdomains in search query statements and sponsored results on a subdomain-by-subdomain basis	US9262530B2	9/25/2014	2/16/2016
United States	Search system using search subdomain and hints to subdomains in search query statements and sponsored results on a subdomain-by-subdomain basis	US8271486B2	1/15/2009	9/18/2012
United States	Search system using search subdomain and hints to subdomains in search query statements and sponsored results on a subdomain-by-subdomain basis	US8849796B2	8/30/2012	9/30/2014
United States	Search system using search subdomain and hints to subdomains in search query statements and sponsored results on a subdomain-by-subdomain basis	US7499914B2	4/5/2004	3/3/2009
United States	Search system using search subdomain and hints to subdomains in search query statements and sponsored results on a subdomain-by-subdomain basis	US9323848B2	12/31/2014	4/26/2016
United States	Techniques for simultaneously displaying a background page and an interactive content page in an application window	US7487455B2	4/19/2004	2/3/2009
United States	Content presentation and management system associating base content and relevant additional content	US7483891B2	4/21/2004	1/27/2009
United States	Method and system for customizing views of information associated with a social network user	US7269590B2	4/26/2004	9/11/2007
United States	Displaying aggregated new content by selected other user based on their authorization level	US8166069B2	3/29/2006	4/24/2012
United States	Control for inviting an unauthenticated user to gain access to display of content that is otherwise accessible with an authentication mechanism	US8584258B2	12/20/2005	11/12/2013
United States	Control for enabling a user to preview display of selected content based on another user's authorization level	US7599935B2	12/20/2005	10/6/2009

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for providing automobile marketing research information	US7739142B2	5/17/2004	6/15/2010
United States	Mapping method and system	US9607092B2	5/25/2005	3/28/2017
United States	Social network with multiple logins	US9978041B2	8/3/2011	5/22/2018
United States	Social network with field level control of data exposure	US99953302B2	8/3/2011	4/24/2018
United States	Query based search engine	US7814096B1	6/8/2004	10/12/2010
United States	Method and system for seeding online social network contacts	US7885901B2	6/8/2004	2/8/2011
United States	Social network for reciprocal data sharing	US9978042B2	8/3/2011	5/22/2018
United States	Social network for providing recommendations for items of interest	US10049345B2	8/3/2011	8/14/2018
United States	Computerized method and system for establishing a network connection based on a contact list automatically seeded from network behavioral analysis of a user	US10082054B2	2/7/2011	8/28/2018
United States	Method and system for sharing portal subscriber information in an online social network	US8612359B2	6/14/2004	12/17/2013
United States	Method and system for scheduling electronic advertising campaigns	US8527346B2	6/28/2004	9/3/2013
United States	Methods to attribute conversions for online advertisement campaigns	US8108254B2	6/29/2004	1/31/2012
United States	Database search system and method of determining a value of a keyword in a search	US7716219B2	7/8/2004	5/11/2010
United States	System and method for managing a trusted email datastore	US7155738B2	7/8/2004	12/26/2006
United States	Method and system for maintaining content sizes on different platforms	US7540498B2	7/9/2004	12/29/2009
United States	Systems and methods for adaptive scheduling of references to documents	US8706722B2	5/31/2012	4/22/2014
United States	Systems and methods for adaptive scheduling of references to documents	US7539674B2	7/22/2004	5/26/2009
United States	Systems and methods for adaptive scheduling of references to documents	US8214358B2	7/9/2008	7/3/2012
United States	User interfaces for search systems using in-line contextual queries	US8812540B2	9/28/2012	8/19/2014
United States	Systems and methods for contextual transaction proposals	US7451152B2	5/12/2005	11/11/2008
United States	Search systems and methods using in-line contextual queries	US7958115B2	7/29/2004	6/1/2011
United States	User interfaces for search systems using in-line contextual queries	US8108385B2	9/3/2009	1/31/2012
United States	User interfaces for search systems using in-line contextual queries	US7603349B1	1/10/2005	10/13/2009

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	User interfaces for search systems using in-line contextual queries	US8301614B2	1/7/2012	10/30/2012
United States	Document modification by a client-side application	US8972856B2	9/26/2008	3/3/2015
United States	User interfaces for search systems using in-line contextual queries	US9342602B2	7/9/2014	5/17/2016
United States	Search systems and methods using in-line contextual queries	US8655872B2	10/15/2008	2/18/2014
United States	Systems and methods for updating query results based on query deltas	US7720845B2	8/13/2004	5/18/2010
United States	Automatic product categorization	US7870039B1	8/4/2004	1/11/2011
United States	Backup and restore mirror database memory items in the historical record backup associated with the client application in a mobile device connected to a communion network	US7584225B2	9/2/2004	9/1/2009
United States	Spike filter for financial data represented as discrete-valued time series	US7685041B1	9/8/2004	3/23/2010
United States	Method for manufacturing an electronic module in an installation base	US6966005B2	9/15/2004	4/13/2010
United States	Method for manufacturing an electronic module	US9232658B2	4/2/2010	1/5/2016
United States	System and method of information filtering using measures of affinity of a relationship	US7707122B2	9/21/2004	4/27/2010
United States	Electronic module with feed through conductor between wiring patterns	US8455994B2	7/23/2010	6/4/2013
United States	Method for embedding a component in a base	US7989944B2	7/25/2007	8/2/2011
United States	Method and apparatus for efficient training of support vector machines	US7440944B2	9/24/2004	10/21/2008
United States	Method for providing a clip for viewing at a remote device	US8112548B2	9/28/2004	2/7/2012
United States	Navigation pattern on a directory tree	US7343568B2	10/5/2004	3/11/2008
United States	Techniques for selectively performing searches against data and providing search results	US7747638B1	10/13/2004	6/29/2010
United States	Systems and methods for a search-based email client	US10182025B2	6/21/2016	1/15/2019
United States	Systems and methods for indexing content for fast and scalable retrieval	US7849063B2	10/15/2004	12/7/2010
United States	Systems and methods for indexing content for fast and scalable retrieval	US7620624B2	10/15/2004	11/17/2009
United States	System and methods for a search-based email client	US9438540B2	4/1/2018	9/6/2016
United States	System and method for a subscription model trusted email database for use in antispam	US7181764B2	10/28/2004	2/20/2007
United States	Method and system of providing dynamic dialogs	US7412655B2	11/2/2004	8/28/2008
United States	Customized geographical location indexing	US8051087B2	9/30/2008	11/1/2011
United States	Optimal storage and retrieval of XML data	US7403940B2	11/16/2004	7/22/2008

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Systems and Methods For Providing Notification And Feedback Based On Electronic Payment Transactions	US10991539	11/17/2004	
United States	Automatic generation of taxonomies for categorizing queries and search query processing using taxonomies	US7428533B2	12/6/2004	9/23/2008
United States	Search processing with automatic categorization of queries	US7620628B2	12/6/2004	11/17/2009
United States	System and methods for ranking the relative value of terms in a multi-term search query using deletion prediction	US7406465B2	12/14/2004	7/29/2008
United States	Bitmask access for managing blog content	US7689575B2	12/29/2004	3/30/2010
United States	Search systems and methods using enhanced contextual queries	US7856441B1	1/10/2005	12/21/2010
United States	Reputation based search	US7406466B2	1/14/2005	7/29/2008
United States	System and method for improving online search engine results	US7599966B2	1/28/2005	10/6/2009
United States	Method and apparatus for providing real-time notification for avatars	US7865566B2	1/31/2005	1/4/2011
United States	Method and apparatus for providing flash-based avatars	US7707520B2	1/31/2005	4/27/2010
United States	Predictive communication routing scheme using instant messaging preferences and/or settings for routing packet traffic for voice, video and other multimedia communications	US8223747B2	2/10/2005	7/17/2012
United States	Integrated instant messaging, routing and telephone services billing system	US7634072B2	2/10/2005	12/15/2009
United States	Seamless interfacing for instant messaging and internet telephony across wireless networks	US7260082B2	2/10/2005	8/21/2007
United States	System and method for proximity area networking for selection of messaging	US8265654B2	7/20/2011	9/11/2012
United States	System and method for proximity area networking for mobile gaming	US8989727B2	9/5/2012	3/24/2015
United States	System and method for wireless communication between previously known and unknown users	US8023929B2	2/27/2009	9/20/2011
United States	System and method for profile filtered messaging	US8249566B2	7/20/2011	8/21/2012
United States	System and method for portable profiles	US8478247B2	7/20/2011	7/2/2013
United States	System and method for profile filtered advertisements	US8478254B2	8/20/2012	7/2/2013
United States	System and method for wireless communication between previously known and unknown users	US7545784B2	2/10/2005	6/9/2009
United States	World modeling using a relationship network with communication channels to entities	US7747648B1	2/14/2005	6/29/2010

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Techniques for crawling dynamic web content	US7536389B1	2/22/2005	5/19/2008
United States	Techniques for crawling dynamic web content	US8024384B2	4/13/2009	9/29/2011
United States	Database replication across different database platforms	US7702698B1	3/1/2005	4/20/2010
United States	Reranking and increasing the relevance of the results of Internet searches	US7574436B2	3/10/2005	8/11/2009
United States	System for modifying queries before presentation to a sponsored search generator or other matching system where modifications improve coverage without a corresponding reduction in relevance	US7668808B2	3/19/2005	2/23/2010
United States	Tester for determining the validity of a feature in a remote device	US7630708B2	3/11/2005	12/8/2009
United States	Systems and methods for collecting user annotations	US7599900B2	3/15/2005	10/6/2009
United States	Inverse search systems and methods	US9450825B2	3/15/2005	4/3/2012
United States	Inverse search systems and methods	US8396853B2	3/14/2012	3/12/2013
United States	Inverse search systems and methods	US8612417B2	3/4/2013	12/17/2013
United States	Search system and methods with integration of user annotations from a trust network	US8788492B2	3/15/2005	7/22/2014
United States	Inverse search systems and methods	US8886627B2	12/11/2013	11/11/2014
United States	Search systems and methods with integration of user annotations	US8005850B2	3/15/2005	8/23/2011
United States	Integration of personalized portals with web content syndication	US8020106B2	3/15/2005	9/13/2011
United States	Search systems and methods with integration of aggregate user annotations	US8005835B2	3/15/2005	8/23/2011
United States	Search systems and methods with integration of user annotations	US9489443B2	5/10/2011	11/8/2016
United States	Search system and methods with integration of user annotations from a trust network	US9852187B2	5/30/2014	12/26/2017
United States	Search systems and methods with integration of aggregate user annotations	US9984164B2	2/28/2011	5/29/2018
United States	Customizable filters for personalized search	US8412698B1	4/7/2005	4/2/2013
United States	Closed-loop feedback control system for online services	US7908249B1	4/13/2005	3/15/2011
United States	Heat conduction from an embedded component	US8076586B2	2/9/2007	12/13/2011
United States	Electronics module comprising an embedded microcircuit	US8351214B2	5/4/2010	1/8/2013
United States	System and method for providing temporal search results in response to a search query	US7577651B2	4/28/2005	8/18/2005

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for performing a search	US7519581B2	5/2/2005	4/14/2008
United States	System and methods for identifying the potential advertising value of terms found on web pages	US7685197B2	5/5/2005	3/23/2010
United States	Proxy server for relaying VOIP messages	US7313134B2	5/12/2005	12/25/2007
United States	Selecting a network based on metrics for real time communication	US7313133B2	5/12/2005	12/25/2007
United States	Dynamically selecting CODECS for managing an audio message	US7821953B2	5/12/2005	10/26/2010
United States	Relay Server for SIP/RTP messages with buffer management	US7751316B2	5/13/2005	7/6/2010
United States	Integrating access to audio messages and instant messaging with VOIP	US8107495B2	5/13/2005	1/31/2012
United States	Content-management system for user behavior targeting	US8180769B2	6/2/2005	5/15/2012
United States	Statistical approach to automatic gain control for managing audio messages over a network	US7758407B2	5/16/2005	8/17/2010
United States	Apparatus and method for normalizing user-selected keywords in a folksonomy	US7685209B1	6/8/2005	3/23/2010
United States	Active Abstracts	US7606794B2	6/28/2005	10/20/2009
United States	Method for manufacturing an electronics module comprising a component electrically connected to a conductor-pattern layer	US8240032B2	6/13/2005	8/14/2012
United States	Communication platform and method for packet communication between a service provider and a radio communication device	US8477664B2	9/13/2010	7/2/2013
United States	Communication platform and method for packet communication between a service provider and a radio communication device	US8009610B2	6/15/2005	8/30/2011
United States	Method and a communication platform for packet communication between a service provider in a first network and a radio communication device in a second network	US7848233B2	6/15/2005	12/7/2010
United States	Systems and methods for determining a relevance rank for a point of interest	US7826965B2	6/16/2005	11/2/2010
United States	Access control systems and methods using visibility tokens with automatic propagation	US7594258B2	6/27/2005	9/22/2009
United States	Content router asynchronous exchange	US7631045B2	7/14/2005	12/8/2009
United States	System and method for servicing a user device	US7788352B2	7/14/2005	8/31/2010
United States	Alert mechanism for notifying multiple user devices sharing a connected-data-set	US8112549B2	7/14/2005	2/7/2012
United States	Content router notification	US7623515B2	7/14/2005	11/24/2009

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	User entertainment and engagement enhancements to search system	US8364658B2	11/17/2008	1/29/2013
United States	Universal calendar event handling	US8417782B2	7/14/2005	4/9/2013
United States	Automatically generating a search result in a separate window for a displayed symbol that is selected with a drag and drop control	US7827503B2	7/27/2005	11/2/2010
United States	Record boundary identification and extraction through pattern mining	US7606816B2	7/28/2005	10/20/2009
United States	Establishing communication between a messaging client and a remote device running a browsing application	US7506029B2	8/31/2005	3/17/2009
United States	Link-based spam detection	US7533092B2	8/4/2005	5/12/2009
United States	Manufacture of a layer including a component	US7673387B2	8/4/2005	3/9/2010
United States	Circuit board including an embedded component	US8487294B2	2/9/2010	7/16/2013
United States	Alternative search query processing in a term bidding system	US7752220B2	8/10/2005	7/6/2010
United States	System and method for determining alternate search queries	US7634462B2	8/10/2005	12/15/2009
United States	Unsupervised, automated web host dynamicity detection, dead link detection and prerequisite page discovery for search indexed web pages	US7610267B2	8/13/2005	10/27/2009
United States	Scalable specification of page flows	US7584267B2	8/22/2005	9/1/2009
United States	Employing partial evaluation to provide a page	US8046678B2	8/22/2005	10/25/2011
United States	Customization of an online shopping experience	US7756752B2	8/22/2005	7/13/2010
United States	Extraction and matching of characteristic fingerprints from audio signals	US7516074B2	9/1/2005	4/7/2009
United States	Extraction and matching of characteristic fingerprints from audio signals	US8396705B2	2/24/2009	3/12/2013
United States	Extraction and matching of characteristic fingerprints from audio signals	US9208790B2	3/11/2013	12/8/2015
United States	Systems and methods for presenting information based on publisher-selected labels	US8478792B2	7/2/2008	7/2/2013
United States	System and method for selecting advertising in a social bookmarking system	US8768772B2	11/14/2005	7/1/2014
United States	System and method for bookmarking and auto-tagging a content item based on file type	US8224788B2	1/15/2009	7/17/2012
United States	Systems and methods for presenting information based on publisher-selected labels	US7421441B1	9/20/2005	9/2/2008
United States	Systems and methods for presenting advertising content based on publisher-selected labels	US7409402B1	9/20/2005	8/5/2008
United States	Systems and methods for presenting advertising content based on publisher-selected labels	US8069099B2	6/26/2008	11/29/2011

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Tagging offline content with context-sensitive search-enabling keywords	US8819051B2	9/29/2005	8/26/2011
United States	Shortcut for establishing a communication channel with a remote device over a network	US7702341B2	10/3/2005	4/29/2010
United States	Customizable ordering of search results and predictive query generation	US10061853B2	2/25/2011	8/28/2018
United States	Customizable ordering of search results and predictive query generation	US7921109B2	10/5/2005	4/5/2011
United States	Media device and user interface for selecting media	US9928279B2	12/21/2013	3/27/2018
United States	Media device and user interface for selecting media	US9665629B2	10/14/2005	5/30/2017
United States	Search score for the determination of search quality	US8095419B1	10/17/2005	1/10/2012
United States	Unsupervised learning tool for feature correction	US7483902B2	10/17/2005	1/27/2009
United States	Interactive map-based travel guide	US8828370B2	10/28/2005	9/2/2014
United States	Scalable software blade architecture	US7873696B2	10/28/2005	1/18/2011
United States	Recovering a blade in scalable software blade architecture	US7779157B2	10/28/2005	8/17/2010
United States	Low code-footprint security solution	US7725927B2	10/28/2005	5/25/2010
United States	Sharing data in scalable software blade architecture	US7870288B2	10/28/2005	1/11/2011
United States	System and method for labeling a document	US7680760B2	10/28/2005	3/16/2010
United States	Systems and methods for assigning monetary values to search terms	US8015065B2	10/28/2005	9/6/2011
United States	Methods for navigating collections of information in varying levels of detail	US7693912B2	10/31/2005	4/6/2010
United States	Method and system for displaying contextual rotating advertisements	US8595633B2	10/31/2005	11/26/2013
United States	Indication of exclusive items in a result set	US7747812B2	10/31/2005	6/29/2010
United States	Presentation of differences between multiple searches	US7747613B2	10/31/2005	6/29/2010
United States	Clickable map interface	US8700586B2	1/12/2006	4/15/2014
United States	Difference control for generating and displaying a difference result set from the result sets of a plurality of search engines	US7747614B2	10/31/2005	6/29/2010
United States	System and method for reordering a result set copyright notice	US7809731B2	10/31/2005	10/5/2010
United States	Systems and methods for improving access to syndication feeds in network browsing applications	US9582602B2	10/31/2005	2/28/2017
United States	Systems and methods for language translation in network browsing applications	US7958446B2	10/31/2005	6/7/2011
United States	System for selecting ad inventory with a clickable map interface	US8682713B2	7/17/2008	3/25/2014

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Identification and automatic propagation of geo-location associations to un-located documents	US7792870B2	11/8/2005	9/7/2010
United States	Data gateway for jobs management based on a persistent job table and a server table	US8065680B2	11/15/2005	11/22/2011
United States	Remote selection and installation of auxiliary content	US7636766B2	11/15/2005	12/22/2009
United States	System and method for generating functions to predict the clickability of advertisements	US7631008B2	6/29/2006	12/8/2009
United States	System and method for discounting of historical click through data for multiple versions of an advertisement	US7840438B2	11/16/2005	11/23/2010
United States	System and method for revenue based advertisement placement	US7739709B2	11/16/2005	6/15/2010
United States	Matching pursuit approach to sparse Gaussian process regression	US7498549B2	11/18/2005	2/24/2009
United States	Multi-modal auto complete function for a connection	US7583671B2	11/23/2005	9/1/2009
United States	Method for manufacturing an electronics module	US8062537B2	11/23/2005	11/22/2011
United States	Electronics module and method for manufacturing the same	US8547701B2	11/24/2005	10/1/2013
United States	URL shortening and authentication with reverse hash lookup	US7698269B2	11/29/2005	4/13/2010
United States	Method and mechanism for processing image data	US7627166B2	11/30/2005	12/1/2009
United States	Systems and methods for managing and using multiple concept networks for assisted search processing	US7707201B2	12/5/2005	4/27/2010
United States	Selectable replay of buffered conversations in a VOIP session	US7869579B2	12/9/2005	1/11/2011
United States	System for geographically contextualizing data items	US8532708B2	8/20/2009	12/14/2010
United States	System and method for populating a geo-coding database	US7606582B2	12/13/2005	10/20/2009
United States	System for providing location predictive advertising	US7848764B2	9/8/2009	12/7/2010
United States	System and method for providing geo-relevant information based on a location	US7606581B2	12/13/2005	10/20/2009
United States	System for classifying words	US7729901B2	12/22/2005	6/1/2010
United States	System and method for creating minimum bounding rectangles for use in a geo-coding system	US8050689B2	12/13/2005	11/1/2011
United States	System and method for providing geo-relevant information based on a mobile device	US7616964B2	12/13/2005	11/10/2009
United States	System for determining probable meanings of inputted words	US7681147B2	12/13/2005	3/16/2010
United States	Method and mechanism for analyzing the texture of a digital image	US7583839B2	12/22/2005	9/1/2009

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and mechanism for retrieving images	US7831111B2	12/22/2005	11/9/2010
United States	System and method for optimizing advertisement campaigns using a limited budget	US7949562B2	12/28/2005	5/24/2011
United States	System and method for optimizing advertisement campaigns using a limited budget	US8700462B2	11/30/2006	4/15/2014
United States	System and method for optimizing the delivery of advertisements	US7685019B2	12/28/2005	3/23/2010
United States	System and method for collection of advertising usage information	US7949563B2	7/26/2006	5/24/2011
United States	System and method for advertisement management	US9558498B2	12/30/2005	1/31/2017
United States	System and method for advertisement management	US9159073B2	6/24/2008	10/13/2015
United States	System and method for providing scalability in an advertising delivery system	US9836652B2	8/17/2006	12/5/2017
United States	System and method for the propagation of DRM protected content	US7770229B2	12/30/2005	8/3/2010
United States	System and method for navigating and indexing content	US7680804B2	6/22/2006	3/16/2010
United States	Architecture for distribution of advertising content and change propagation	US9934510B2	7/19/2006	4/3/2018
United States	System and method for optimizing the selection and delivery of advertisements	US8533040B2	4/9/2007	9/10/2013
United States	Apparatus and method for controlling content access based on shared annotations for annotated users in a folksonomy scheme	US7761436B2	1/3/2006	7/20/2010
United States	Targeted sidebar advertising	US10175862B2	12/12/2013	1/8/2019
United States	Targeted sidebar advertising	US8621372B2	1/5/2006	12/31/2013
United States	Community information updates in a sidebar	US8732585B2	5/15/2006	5/20/2014
United States	Sidebar email	US9037996B2	1/23/2006	5/19/2015
United States	Matching and ranking of sponsored search listings incorporating web search technology and web content	US7698331B2	1/18/2006	4/13/2010
United States	Systems and methods for collaborative tag suggestions	US7685198B2	1/25/2006	3/23/2010
United States	Learning retrieval functions incorporating query differentiation for information retrieval	US8250061B2	1/30/2006	8/21/2012
United States	Learning retrieval functions incorporating query differentiation for information retrieval	US8589371B2	6/29/2012	11/19/2013
United States	Method for node classification and scoring by combining parallel iterative scoring calculation	US7584183B2	2/1/2006	9/1/2009

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Using exceptional changes in webgraph snapshots over time for internet entity marking	US8429177B2	2/8/2006	4/23/2010
United States	Query serving infrastructure providing flexible and expandable support and compiling instructions	US7827523B2	2/22/2006	11/2/2010
United States	Method and system for communicating with multiple users via a map over the Internet	US8139514B2	2/24/2006	3/20/2012
United States	User-defined private maps	US7450003B2	2/24/2006	11/11/2008
United States	Method and system for communicating with multiple user communities via a map	US9014076B2	3/7/2012	4/21/2015
United States	System and method for identifying related queries for languages with multiple writing systems	US7689554B2	2/28/2006	3/30/2010
United States	Providing a limited use syndicated media to authorized users	US8227068B2	6/9/2006	2/23/2016
United States	Vertical search expansion, disambiguation, and optimization of search queries	US8832097B2	3/6/2006	9/9/2014
United States	Vertical search expansion, disambiguation, and optimization of search queries	US7805441B2	3/6/2006	9/28/2010
United States	Keyword based audio comparison	US8108452B2	3/7/2006	1/31/2012
United States	Discovering alternative spellings through co-occurrence	US7814097B2	3/7/2006	10/12/2010
United States	Activating automatic messaging session	US8370439B2	3/9/2006	2/5/2013
United States	Method and system of measuring data quality	US7251578B1	3/10/2006	7/31/2007
United States	System and method for resource leak acquisition and reclamation in a network file system environment	US7594435B2	3/10/2006	3/8/2011
United States	System and method for automated recovery after an error in a batch processing system caused by malformed or unsupported data	US7464293B2	3/10/2006	12/9/2008
United States	Assigning into one set of categories information that has been assigned to other sets of categories	US7885859B2	3/10/2006	2/8/2011
United States	System and method for biasing search results based on topic familiarity	US8095487B2	3/16/2006	1/10/2012
United States	System and method for good nearest neighbor clustering of text	US7747083B2	3/27/2006	6/29/2010
United States	Creating and viewing private events in an events repository	US7676449B2	3/28/2006	3/9/2010
United States	Providing event information to third party event applications	US7668838B2	3/28/2006	2/25/2010
United States	Behavioral targeting system	US8504575B2	3/29/2006	8/6/2015
United States	Behavioral targeting system	US10007927B2	2/29/2016	6/26/2018

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Incremental update of long-term and short-term user profile scores in a behavioral targeting system	US7904448B2	3/29/2006	3/8/2011
United States	Smart drag-and-drop	US8793605B2	3/29/2006	7/29/2014
United States	Behavioral targeting system	US9286569B2	7/29/2013	3/15/2016
United States	Automatic categorization of network events	US7814109B2	3/29/2006	10/12/2010
United States	Model for generating user profiles in a behavioral targeting system	US7809740B2	3/29/2006	10/5/2010
United States	Behavioral targeting system that generates user profiles for target objectives	US9105048B2	4/15/2013	8/11/2015
United States	Behavioral targeting system that generates user profiles for target objectives	US8438170B2	3/29/2006	5/7/2013
United States	Behavioral targeting system that generates user profiles for target objectives	US9817786B2	7/17/2015	11/14/2017
United States	Large scale semi-supervised linear support vector machines	US7562060B2	3/31/2006	7/14/2009
United States	System and method for interacting with data using visual surrogates	US7747686B2	3/31/2006	6/29/2010
United States	Content display and navigation interface	US8055444B2	4/4/2006	11/8/2011
United States	System and method for pipelined processing of data sets	US8151282B2	4/17/2006	4/3/2012
United States	Automated reward management for network-based contests	US8224696B2	4/17/2006	7/17/2012
United States	Determining related terms based on link annotations of documents belonging to search result sets	US7711732B2	4/21/2006	5/4/2010
United States	Method and system for entering search queries	US8892196B2	4/21/2006	2/13/2018
United States	File caching	US8538321B2	4/24/2006	9/17/2013
United States	Identifying exceptional web documents	US8583778B2	4/26/2006	11/12/2013
United States	Contextual mobile local search based on social network vitality information	US8005906B2	5/8/2008	8/23/2011
United States	Contextual mobile local search based on social network vitality information	US7636779B2	4/28/2006	12/22/2009
United States	Advertiser reporting system and method in a networked database search system	US8321275B2	4/28/2006	11/27/2012
United States	Advertiser alerting system and method in a networked database search system	US8321274B2	4/28/2006	11/27/2012
United States	System and method for indexing web content using click-through features	US7647314B2	4/28/2006	1/12/2010

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Social networking for mobile devices	US8843551B2	6/16/2008	9/23/2011
United States	Social networking for mobile devices	US8843560B2	4/28/2006	9/23/2014
United States	System and method using hierarchical clustering for evolutionary clustering of sequential data sets	US7734629B2	4/29/2006	6/8/2010
United States	System and method for evolutionary clustering of sequential data sets	US8930365B2	4/29/2006	1/6/2015
United States	Building support vector machines with reduced classifier complexity	US7630945B2	5/19/2006	12/8/2009
United States	Method and system for presenting photos on a website	US8510669B2	5/10/2006	8/13/2013
United States	System and method for determining semantically related terms	US7548929B2	5/11/2006	6/16/2009
United States	Enabling rent/buy redirection in invitation to an online service	US7587507B2	5/12/2006	9/8/2009
United States	Enabling rent/buy redirection in invitation to an online service	US8108515B2	9/19/2008	1/31/2012
United States	System and method for bookmarking and tagging a content item	US8589782B2	12/6/2010	11/19/2013
United States	System and method for bookmarking and tagging a content item	US7870475B2	5/16/2006	1/11/2011
United States	System and method for selecting object metadata evolving over time	US7739275B2	5/19/2006	6/15/2010
United States	System and method for visualizing the temporal evolution of object metadata	US7581184B2	5/19/2006	8/25/2009
United States	User interface for navigating a keyword space	US8359295B2	10/27/2011	1/22/2013
United States	User interface for navigating a keyword space	US7797287B2	5/30/2006	9/14/2010
United States	User interface for navigating a keyword space	US8055634B2	8/23/2010	11/8/2011
United States	Keyword set and target audience profile generalization techniques	US822745B2	5/31/2006	10/26/2010
United States	Predicting results for input data based on a model generated from clusters	US8386132B2	6/1/2006	2/26/2013
United States	Providing an actionable event in an intercepted text message for a mobile device based on customized user information	US8170584B2	6/6/2006	5/1/2012
United States	Method for manufacturing a circuit board structure	US8581109B2	6/5/2006	11/12/2013
United States	Method for manufacturing a circuit board	US8240033B2	6/15/2006	8/14/2012
United States	Method for manufacturing a circuit board structure	US9622354B2	11/11/2013	4/11/2017
United States	Search early warning	US7945563B2	6/16/2006	5/17/2011
United States	Method for manufacturing a circuit board structure, and a circuit board structure	US8225499B2	6/16/2006	7/24/2012
United States	User-sensitive PageRank	US9495452B2	10/9/2009	11/15/2016

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	User-sensitive pagerank	US7624104B2	6/22/2006	11/24/2009
United States	Dynamic bloom filter for caching query results	US7548908B2	6/26/2006	6/16/2009
United States	Search engine with augmented relevance ranking by community participation	US8521734B2	7/28/2011	8/27/2013
United States	Using community annotations as anchor text	US7647306B2	8/2/2006	1/12/2010
United States	Trust propagation through both explicit and implicit social networks	US9576029B2	4/9/2013	2/21/2017
United States	Realtime indexing and search in large, rapidly changing document collections	US7634466B2	8/2/2006	12/15/2009
United States	Search engine with augmented relevance ranking by community participation	US8086605B2	6/28/2006	12/27/2011
United States	Trust propagation through both explicit and implicit social networks	US8442978B2	8/2/2006	5/14/2013
United States	Aggregation-specific confidence intervals for fact set queries	US7567945B2	6/29/2006	7/28/2009
United States	Techniques for clustering structurally similar web pages based on page features	US7676465B2	7/5/2006	3/9/2010
United States	Techniques for clustering structurally similar web pages	US7680858B2	7/5/2006	3/16/2010
United States	Automatic relevance and variety checking for web and vertical search engines	US7558787B2	7/5/2006	7/7/2009
United States	Techniques for inducing high quality structural templates for electronic documents	US8046681B2	11/27/2007	10/25/2011
United States	System and method for budgeted generalization search in hierarchies	US7991769B2	7/7/2006	8/2/2011
United States	Query categorizer	US7601744B2	7/26/2007	2/16/2010
United States	Search equalizer	US8301616B2	7/14/2006	10/30/2012
United States	Search equalizer	US8868539B2	9/27/2012	10/21/2014
United States	Authentication server for online applications	US8010996B2	11/25/2007	8/30/2011
United States	Action tags	US8132151B2	7/18/2006	3/6/2012
United States	Multi-tiered storage	US75966587B2	7/19/2006	9/29/2009
United States	Providing a reliable trust indicator for content	US8595370B2	9/24/2012	11/26/2013
United States	Technique for providing a reliable trust indicator to a webpage	US8301728B2	7/21/2006	10/30/2012
United States	Authenticating a site while protecting against security holes by handling common web server configurations	US7974956B2	7/21/2006	7/5/2011
United States	Aggregate tag views of website information	US8112703B2	7/21/2006	2/7/2012

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Time slicing web based advertisements	US7945660B2	7/26/2006	5/17/2011
United States	Business intelligent architecture system and method	US9158831B2	6/30/2009	10/25/2015
United States	Business intelligent architecture system and method	US7580944B2	7/27/2006	8/25/2009
United States	System and method for web destination profiling	US8676961B2	7/27/2006	3/18/2014
United States	System and method for searching a bookmark and tag database for relevant bookmarks	US9367637B2	8/20/2012	6/14/2016
United States	System and method for searching a bookmark and tag database for relevant bookmarks	US8271486B2	7/28/2006	9/18/2012
United States	System and method of identifying and measuring response to user interface design	US7827004B2	7/31/2006	11/2/2010
United States	System and method of identifying and measuring response to user interface design	US8229715B2	7/7/2010	5/6/2014
United States	Automatic identification of distance based event classification errors in a network by comparing to a second classification using event logs	US7693805B2	8/1/2006	4/6/2010
United States	Providing an interface to browse links or redirects to a particular webpage	US8554869B2	8/2/2006	10/8/2013
United States	Electronic document information extraction	US9547648B2	8/3/2006	1/17/2017
United States	System and method for dynamically ranking items of audio content	US7849070B2	8/3/2006	12/7/2010
United States	System and method for accessing preferred provider of audio content	US8005827B2	8/3/2006	8/23/2011
United States	Calendar event, notification and alert bar embedded within mail	US8745141B2	8/7/2006	6/3/2014
United States	Method and apparatus for reconstructing a search query	US8209831B2	10/11/2011	6/26/2012
United States	System and method for inferring user interest based on analysis of user-generated metadata	US8707160B2	8/10/2006	4/22/2014
United States	Method and apparatus for reconstructing a search query	US8046347B2	4/22/2010	10/25/2011
United States	Method and apparatus for reconstructing a search query	US7716201B2	8/29/2006	5/11/2010
United States	System and method for providing tag-based relevance recommendations of bookmarks in a bookmark and tag database	US8135725B2	8/11/2006	3/13/2012
United States	System and method for providing tag-based relevance recommendations of bookmarks in a bookmark and tag database	US9104772B2	12/29/2011	8/11/2015
United States	Approach for near duplicate image detection	US7860308B2	8/17/2006	12/28/2010
United States	System and method for shortening click URLs	US7698347B2	8/18/2006	4/13/2010
United States	Persistent saving portal	US8572202B2	8/22/2006	10/29/2013

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for presenting information with multiple views	US8745162B2	1/19/2007	6/3/2014
United States	System and method for identifying web communities from seed sets of web pages	US7949661B2	8/24/2006	5/24/2011
United States	Structured match in a directory sponsored search system	US8977605B2	8/28/2006	3/10/2015
United States	Platform for managing mobile domains and keyword-activated applications	US8175623B2	8/30/2006	5/8/2012
United States	Techniques for navigational query identification	US7693865B2	9/30/2006	4/6/2010
United States	Methods and computer readable media for enhancing product reviews	US7885863B2	8/31/2006	2/8/2011
United States	System and method for identifying media content items and related media content items	US8166029B2	9/7/2006	4/24/2012
United States	Generating event data display code	US8290980B2	9/8/2006	10/16/2012
United States	Displaying items using a reduced presentation	US7761805B2	9/11/2006	7/20/2010
United States	Path discovery and analytics for network data	US8054756B2	9/18/2006	11/8/2011
United States	Discovering associative intent queries from search web logs	US7552112B2	9/18/2006	6/23/2009
United States	System and method for creating user profiles	US8655916B2	9/22/2006	2/18/2014
United States	Instant messaging interoperability between disparate service providers	US9762530B2	6/8/2015	9/12/2017
United States	Instant messaging interoperability between disparate service providers	US9053461B2	9/27/2006	6/9/2015
United States	Engine for processing content rules associated with locations in a page	US9479343B2	11/2/2015	10/25/2016
United States	Engine for processing content rules associated with locations in a page	US9178793B1	9/29/2006	11/3/2015
United States	Multi-tiered anti-abuse registration for a mobile device user	US8628315B1	9/29/2006	12/31/2013
United States	Mobile device catalog registration based on user agents and customer snapshots of capabilities	US8224308B1	9/29/2006	7/17/2012
United States	Managing page sizes for a mobile device using estimation of content customizer techniques	US7996000B1	9/29/2006	8/9/2011
United States	Digital media benefit attachment mechanism	US8781892B2	9/29/2006	7/15/2014
United States	Script-based content-embedding code generation in digital media benefit attachment mechanism	US8943401B2	9/29/2006	1/27/2015
United States	Content-embedding code generation in digital media benefit attachment mechanism	US8965783B2	9/29/2006	4/24/2015
United States	System and method for characterizing a web page using multiple anchor sets of web pages	US7912831B2	10/3/2006	3/22/2011

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Mobile monetization	US8521832B1	10/4/2006	8/27/2012
United States	Mobile monetization	US10049381B2	8/15/2013	8/14/2018
United States	MapReduce for distributed database processing	US8190610B2	10/5/2006	5/29/2012
United States	System and method for enhanced text matching	US7783660B2	10/5/2006	8/24/2010
United States	Infrastructure for more efficient processing to generate of ad-hoc reports	US7809735B2	10/11/2006	10/5/2010
United States	Augmented search with error detection and replacement	US7577644B2	10/11/2006	8/18/2009
United States	Systems and methods for establishing or maintaining a personalized trusted social network	US9479474B2	10/27/2015	10/25/2016
United States	Handling dynamic URLs in crawl for better coverage of unique content	US7827466B2	10/13/2006	11/2/2010
United States	Systems and methods for establishing or maintaining a personalized trusted social network	US8119145B2	4/19/2012	11/17/2015
United States	Systems and methods for establishing or maintaining a personalized trusted social network	US8190724B2	10/13/2006	5/29/2012
United States	Automated clustering of records, biased by supervised classification processing	US7849027B2	10/18/2006	12/7/2010
United States	Contextual syndication platform	US7962465B2	10/19/2006	6/14/2011
United States	Formal language and translator for parallel processing of data	US7921416B2	10/20/2006	4/5/2011
United States	Systems and methods for receiving and sponsoring media content	US9123048B2	10/20/2006	9/1/2015
United States	System and method for determining a relationship between available content and current interests to identify a need for content	US8010529B2	10/23/2006	8/30/2011
United States	Computerized system and method for creating a modified version of a digital slide show by creating and inserting a digital content item into the digital slide show	US9978072B2	10/25/2006	5/22/2018
United States	Computerized system and method for creating a modified version of a digital ticker data feed by creating and inserting a digital content item into the digital ticker data feed	US9916587B2	5/10/2007	3/13/2018
United States	System and method for adaptively refreshing a web page	US8745183B2	10/26/2006	6/3/2014
United States	Recommendation diversity	US7860862B2	10/27/2006	2/28/2010
United States	Optimization of targeted advertisements based on user profile information	US7680786B2	10/30/2006	3/16/2010

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Optimization of targeted advertisements based on user profile information	US8606520B2	3/11/2010	11/15/2011
United States	Time-based analysis of related keyword searching	US7937403B2	10/30/2006	5/3/2011
United States	Methods and systems for providing a customizable guide for navigating a corpus of content	US8914729B2	10/30/2006	12/16/2014
United States	Automatic association of reference data with primary process data based on time and shared identifier	US8171237B2	10/31/2006	5/1/2012
United States	Automatic association of reference data with primary process data based on time and shared identifier	US8621162B2	2/11/2013	12/31/2013
United States	Automatic association of reference data with primary process data based on time and shared identifier	US8397037B2	4/2/2012	3/12/2013
United States	Determining mobile content for a social network based on location and time	US8260315B2	3/7/2011	9/4/2012
United States	Determining mobile content for a social network based on location and time	US7917154B2	11/1/2006	3/29/2011
United States	System and method for dynamically retrieving data specific to a region of a layer	US8688670B2	9/9/2013	4/1/2014
United States	System and method for dynamically retrieving data specific to a region of a layer	US9235597B2	2/24/2014	1/12/2016
United States	System and method for dynamically retrieving data specific to a region of a layer	US8533217B2	11/1/2006	9/10/2013
United States	System and method for dynamically retrieving data specific to a region of a layer	US907055B2	1/11/2016	3/28/2017
United States	Searching and route mapping based on a social network, location, and time	US8108501B2	11/1/2006	1/31/2012
United States	Personalized search	US10275419B2	11/22/2016	4/30/2019
United States	Personalized search	US9519715B2	11/2/2006	12/13/2016
United States	Determining logically-related sub-strings of a string	US7747607B2	11/2/2006	6/29/2010
United States	Context server for associating information based on context	US9251252B2	11/22/2013	2/2/2016
United States	Context server for associating information based on context	US8594702B2	11/6/2006	11/26/2013
United States	Sharing tagged data on the internet	US7953775B2	11/7/2006	5/31/2011
United States	System and method for synchronizing data	US7900145B2	11/8/2006	3/1/2011
United States	Customizable connections between media and meta-data via feeds	US8015189B2	11/8/2006	9/6/2011

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for transmission of DNS beacons	US8108555B2	11/9/2010	1/31/2012
United States	System and method for transmission of DNS beacons	US7853721B2	11/9/2006	12/24/2010
United States	System and method for generating substitutable queries	US7962479B2	7/2/2007	6/14/2011
United States	Deriving user intent from a user query	US7974976B2	5/18/2007	7/5/2011
United States	System and method for recognizing and storing information and associated context	US8056007B2	11/15/2006	11/8/2011
United States	System and method for generating substitutable queries on the basis of one or more features	US7739264B2	11/15/2006	6/15/2010
United States	Client-side federated search	US7895175B2	11/15/2006	2/22/2011
United States	Aural skimming and scrolling	US9087807B2	11/15/2006	7/21/2015
United States	Map-reduce with merge to process multiple relational datasets	US8523123B2	11/16/2006	4/21/2009
United States	Systems and methods using query patterns to disambiguate query intent	US8635203B2	11/16/2006	1/21/2014
United States	System and method for determining semantically related terms based on sequences of search queries	US7814086B2	11/16/2006	10/12/2010
United States	Method and system for finding similar charts for financial analysis	US7877317B2	11/21/2006	1/25/2011
United States	Method, system and apparatus for using user profile electronic device data in media delivery	US9110903B2	11/22/2006	8/18/2015
United States	Methods, systems and apparatus for delivery of media	US8402356B2	11/22/2006	3/19/2013
United States	Wait timer for partially formed query	US7630970B2	11/28/2006	12/8/2009
United States	Interactive user interface for collecting and processing nomenclature and placement metrics for website design	US8326766B2	11/29/2006	2/28/2012
United States	Agent for identifying domains with content arranged for display by a mobile device	US8041703B2	11/29/2006	10/18/2011
United States	Method and user interface tool for navigation through grid of scheduled items	US8381130B2	11/29/2006	2/19/2013
United States	Keyword bidding strategy for novel concepts	US7941436B2	11/30/2006	5/10/2011
United States	Method and systems for managing playlists	US8176058B2	11/30/2006	5/8/2012
United States	Method and system for managing playlists	US9396193B2	5/7/2012	7/19/2016
United States	Dynamic cluster visualization	US7599945B2	11/30/2006	10/6/2009
United States	End of program pattern detector	US8045802B2	12/1/2006	10/25/2011
United States	Topic-focused search result summaries	US7921092B2	12/4/2006	4/5/2011

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Paid content based on visually illustrative concepts	US7555477B2	12/5/2006	6/30/2009
United States	Incremental-click analysis of keyword searching	US7752191B2	12/5/2006	7/6/2010
United States	Search results presented as visually illustrative concepts	US7555478B2	12/5/2006	6/30/2009
United States	Sponsored search coverage expansion	US8380706B2	12/5/2006	2/19/2013
United States	Telepresence via wireless streaming multicast	US9762861B2	12/5/2006	9/12/2017
United States	Web services multi-protocol support	US7685304B2	12/6/2006	3/23/2010
United States	System and method for identifying target node graphs from predetermined seed node subsets	US7805667B2	12/6/2006	9/28/2010
United States	System and method for routing streaming data requests	US8713199B2	12/8/2006	4/29/2014
United States	Systems and methods for providing a relevant link destination	US9972018B2	12/11/2006	5/15/2018
United States	Systems and methods for providing cross-vertical profiling and searching	US7590615B2	12/11/2006	9/15/2009
United States	Systems and methods for providing cross-vertical profiling and searching	US7844588B2	8/5/2009	11/30/2010
United States	Selecting and presenting user search results based on an environment taxonomy	US7822734B2	12/12/2006	10/26/2010
United States	Bid optimization in search engine marketing	US8712832B2	12/12/2006	4/29/2014
United States	Harvesting of media objects from searched sites without a user having to enter the sites	US7941416B2	3/11/2010	5/10/2011
United States	Harvesting of media objects from searched sites without a user having to enter the sites	US7707198B2	12/12/2006	4/27/2010
United States	System for generating a smart advertisement based on a dynamic file and a configuration file	US8560925B2	12/12/2006	4/17/2012
United States	Selecting and presenting user search results based on user information	US8341144B2	10/13/2010	12/25/2012
United States	Landing page identification, tagging and host matching for a mobile application	US9268873B2	12/14/2006	2/23/2016
United States	Query rewriting with spell correction suggestions using a generated set of query features	US7630978B2	12/14/2006	12/8/2009
United States	Creative audit system	US8538808B2	12/14/2006	9/17/2013
United States	Management of network login identities	US8510813B2	12/15/2006	8/13/2013
United States	Moderated syndication data feed	US8224889B2	12/15/2006	7/14/2012
United States	Intervention processing of requests relative to syndication data feed items	US8886707B2	12/15/2006	11/11/2014

DOC ID : 341210722

US Assets

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United States	System and method for determining concepts in a content item using context	US8856145B2	12/15/2006	10/7/2011
United States	System and method for facilitating interactive selection and presentation of datasets	US7581193B2	12/15/2006	9/25/2009
United States	Auto shifting of carrier performance using reverse round trip time	US8041303B2	12/18/2006	10/18/2011
United States	Evaluating performance of click fraud detection systems	US8655724B2	9/5/2013	2/18/2014
United States	Evaluating performance of binary classification systems	US8554622B2	12/18/2006	10/8/2013
United States	Systems and methods for identifying premium content items in a result set	US8041723B2	12/16/2010	10/18/2011
United States	Systems and methods for identifying premium content items in a result set	US7877389B2	12/18/2006	1/25/2011
United States	Providing system configuration information to a search engine	US10120936B2	12/19/2006	11/6/2018
United States	Techniques for including collection items in search results	US9009164B2	6/6/2011	4/14/2015
United States	Dynamically constrained, forward scheduling over uncertain workloads	US7886042B2	12/19/2006	2/8/2011
United States	Techniques for including collection items in search results	US7958126B2	12/19/2006	6/7/2011
United States	User behavior reporting based on pre-aggregated activity data	US7533130B2	12/19/2006	5/12/2009
United States	Techniques for including collection items in search results	US9576055B2	2/10/2015	2/21/2017
United States	System and method for labeling a content item based on a posterior probability distribution	US8744883B2	12/19/2006	6/3/2014
United States	System and method for facilitating interactive selection of clusters and presentation of related datasets	US9051082B2	12/19/2006	11/1/2011
United States	Propensity-to-click targeting and modeling	US7769786B2	12/19/2006	8/3/2010
United States	Transferring behavioral profiles anonymously across domains for behavioral targeting	US8660899B2	12/19/2006	2/25/2014
United States	Browser renderable toolbar	US9003296B2	12/20/2006	4/7/2015
United States	Graphical user interface to manipulate syndication data feeds	US7680939B2	12/20/2006	3/16/2010
United States	System and method for query expansion	US7685119B2	12/20/2006	3/23/2010
United States	Discovering query intent from search queries and concept networks	US7840538B2	12/20/2006	11/23/2010
United States	Providing real time information in a visual information unit	US8423603B2	7/8/2008	4/16/2013
United States	System and method for generating a maximum utility slate of advertisements for online advertisement auctions	US8719096B2	12/20/2006	5/6/2014

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Discovering query intent from search queries and concept networks	US81357721B2	10/21/2010	3/13/2012
United States	Identifying items that have experienced recent interest bursts	US8046248B2	12/21/2006	10/23/2011
United States	System for targeting data to sites referenced on a page	US8108390B2	12/21/2006	1/31/2012
United States	System for generating scores related to interactions with a service provider partner	US8458025B2	1/26/2007	6/4/2013
United States	Providing multiple media items to a consumer via a simplified consumer interaction	US8356039B2	12/21/2006	1/15/2013
United States	Academic filter	US8024280B2	12/21/2006	9/20/2011
United States	Clustered query support for a database query engine	US7844608B2	12/22/2006	11/30/2010
United States	Social network commerce model	US8055952B2	12/22/2006	11/8/2011
United States	Dynamic pricing models for digital content	US8076148B2	12/22/2006	7/7/2015
United States	Link retrofitting of digital media objects	US9582804B2	12/22/2006	2/28/2017
United States	Exported overlays	US9734257B2	12/22/2006	8/15/2017
United States	Method and system for locating events in-context	US8185524B2	12/22/2006	5/22/2012
United States	Confusion matrix for classification systems	US8611675B2	12/22/2006	12/17/2013
United States	Method and system for progressive disclosure of search results	US8156135B2	12/22/2006	4/10/2012
United States	Method and system for managing multiple catalogs of files on a network	US8103590B2	12/26/2006	1/24/2012
United States	System and method for learning a weighted index to categorize objects	US7756845B2	12/28/2006	7/13/2010
United States	Methods and systems for delivery of information to a mobile computing device based on priority of the information	US8762693B2	6/9/2014	9/12/2017
United States	Identifying interest twins in an online community	US8166058B2	12/28/2006	4/24/2012
United States	Asymmetric identification of interest twins in an online community	US9342614B2	4/10/2012	5/17/2016
United States	Methods and systems for pre-caching information on a mobile computing device	US8769099B2	12/28/2006	7/1/2014
United States	Automatically generating user-customized notifications of changes in a social network system	US7844604B2	12/28/2006	11/30/2010
United States	User content feeds from user storage devices to a public search engine	US7797295B2	1/4/2007	9/14/2010
United States	Estimation of web client response time	US7779133B2	1/4/2007	8/17/2010
United States	Clustered search processing	US8326841B2	10/11/2011	12/4/2012
United States	Clustered search processing	US7630972B2	1/5/2007	12/8/2009

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Clustered search processing	US8145637B2	10/30/2009	3/27/2012
United States	Methods and systems for exploring a corpus of content	US8510377B2	1/24/2012	8/12/2013
United States	Methods and systems for exploring a corpus of content	US8117256B2	1/9/2007	2/14/2012
United States	Method for improving quality of search results by avoiding indexing sections of pages	US7698329B2	1/10/2007	4/13/2010
United States	Method and system for publishing media content	US8868465B2	1/12/2007	10/21/2014
United States	Method and system for online remixing of digital multimedia	US8411758B2	1/12/2007	4/2/2013
United States	System and method for automatically organizing bookmarks through the use of tag data	US8010532B2	1/17/2007	8/30/2011
United States	System and method for the retrieval and display of supplemental content	US8983923B2	1/25/2007	3/17/2015
United States	System for classifying a search query	US7603348B2	1/26/2007	10/13/2009
United States	System and method for automatically determining an advertisement type of a digital advertisement	US9105049B2	1/31/2007	8/11/2015
United States	Revenue adjustment processes	US8626574B2	1/31/2007	1/7/2014
United States	System for updating advertisement bids	US7974880B2	1/31/2007	7/5/2011
United States	Collecting implicit information for determining context of event actions	US8599801B2	2/1/2007	12/3/2013
United States	Method and system for improved categorical searching	US8825625B2	2/1/2007	9/2/2014
United States	Word pluralization handling in query for web search	US7996410B2	2/1/2007	8/9/2011
United States	Term expansion using associative matching of labeled term pairs	US7685084B2	2/9/2007	3/23/2010
United States	Extraction of logical events from network data	US7849054B2	2/12/2007	12/7/2010
United States	System and method for determining web page quality using collective inference based on local and global information	US7809705B2	2/13/2007	10/5/2010
United States	High-availability and data protection of OLTP databases	US8190572B2	2/15/2007	5/29/2012
United States	Context aware	US7979067B2	2/15/2007	7/12/2011
United States	Ranking documents	US7756687B2	2/16/2007	7/13/2010
United States	Federated searches implemented across multiple search engines	US7930286B2	2/16/2007	4/19/2011
United States	Ranking documents	US7958111B2	7/7/2010	6/2/2011
United States	Methods of dynamically creating personalized Internet advertisements based on advertiser input	US8650265B2	2/20/2007	2/11/2014
United States	Discovering and determining characteristics of network proxies	US7702772B2	2/22/2007	4/20/2010

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System for providing for a revenue generator to bid individually on mobile search traffic originating from each mobile carrier in a plurality of mobile carriers	US8494906B2	7/30/2007	7/23/2012
United States	System for separating mobile search traffic from web search traffic using keyword separation	US8185438B2	12/21/2010	5/22/2012
United States	System for creating separate data serving spaces for each mobile carrier in a plurality of mobile carriers	US8660896B2	7/30/2007	2/25/2014
United States	System for creating separate data serving spaces for each mobile carrier in a plurality of mobile carriers	US9710828B2	12/26/2013	7/18/2017
United States	Instant contact searching and presentation by category	US8370349B2	2/28/2007	2/5/2013
United States	System for providing for a revenue generator to bid exclusively on mobile search traffic	US8994405B2	7/30/2007	3/31/2015
United States	System for separating mobile search traffic from web search traffic using keyword separation	US7917392B2	7/30/2007	3/29/2011
United States	Identifying offensive content using user click data	US8280871B2	3/2/2007	10/2/2012
United States	Stateless gateways having remote dialog store	US8301782B2	3/2/2007	10/30/2012
United States	Link optimization	US7647316B2	3/5/2007	1/12/2010
United States	Methods of processing and segmenting web usage information	US7822755B2	3/6/2007	10/26/2010
United States	Scrolling mobile advertisements	US7904062B2	3/8/2007	3/8/2011
United States	System for storing event data using a sum calculator that sums the cubes and squares of events	US7908239B2	10/18/2010	3/15/2011
United States	Method and system for time-sliced aggregation of data that monitors user interactions with a web page	US7840593B2	3/9/2007	11/23/2010
United States	"Query-log match" relevance features	US7827172B2	3/14/2007	11/2/2010
United States	Implicit name searching	US7917489B2	8/14/2007	3/29/2011
United States	Sponsored listing recommendation engine	US8417573B2	3/14/2007	4/9/2013
United States	Manufacture of a circuit board and circuit board containing a component	US10085347B2	3/18/2013	9/25/2018
United States	Managing list tailoring for a mobile device	US8381096B2	3/15/2007	2/19/2013
United States	Manufacture of a circuit board containing a component	US8984746B2	3/15/2007	5/24/2015
United States	System and method of providing context information for client application data stored on the web	US8046436B2	3/16/2007	10/25/2011

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for providing web system services for storing data and context of client applications on the web	US8041781B2	3/16/2007	10/18/2011
United States	System and method of restoring data and context of client applications stored on the web	US8046438B2	3/16/2007	10/25/2011
United States	System and method of providing a user interface for client applications to store data and context information on the web	US7996779B2	3/16/2007	8/9/2011
United States	System and method of storing data and context of client application on the web	US8046437B2	3/16/2007	10/25/2011
United States	Identifying popular segments of media objects	US10282425B2	3/19/2007	5/7/2019
United States	Currency system to reward constructive behavior	US8412608B2	3/19/2007	4/2/2013
United States	Browser interpretable document for controlling a plurality of media players and systems and methods related thereto	US8758505B2	6/20/2008	6/17/2014
United States	System for measuring web traffic related to an offline advertising campaign	US8386310B2	3/20/2007	2/26/2013
United States	Injecting content into third party documents for document processing	US8065667B2	3/20/2007	11/22/2011
United States	Employing matching of event characteristics to suggest an event characteristic of an event	US7865206B2	3/20/2007	1/4/2011
United States	In-page installer	US8065675B2	3/21/2007	11/22/2011
United States	Methods and systems for managing widgets through a widget dock user interface	US8881052B2	3/21/2007	11/4/2014
United States	Traffic production index and related metrics for analysis of a network of related web sites	US8859428B2	3/21/2007	2/8/2011
United States	Divided backup of data warehouse	US7769716B2	3/27/2007	8/3/2010
United States	Using activation paths to cluster proximity query results	US7636713B2	3/27/2007	12/22/2009
United States	System for determining local intent in a search query	US10134055B2	3/12/2016	11/20/2018
United States	System for determining local intent in a search query	US7788252B2	3/28/2007	8/31/2010
United States	System for determining the geographic range of local intent in a search query	US8185538B2	7/12/2010	5/22/2012
United States	System for determining the geographic range of local intent in a search query	US7805450B2	3/28/2007	9/28/2010
United States	System for determining the geographic range of local intent in a search query	US8601008B2	4/30/2012	12/3/2013
United States	System for determining local intent in a search query	US9262439B2	12/2/2013	2/16/2016

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for launching a browser	US7610277B2	3/29/2007	10/27/2009
United States	Method and system for registering and retrieving production information	US7620657B2	3/29/2007	11/27/2009
United States	Attribute extraction using limited training data	US7689527B2	3/30/2007	3/30/2010
United States	Point of presence distribution mechanism for digital content objects	US9996627B2	3/30/2007	6/12/2018
United States	Mobile addressability with mapping of phone numbers to dynamic IP addresses	US8060075B2	4/2/2007	11/15/2011
United States	Employing the SMS protocol as a transport layer protocol	US8050693B2	4/2/2007	11/1/2011
United States	System and method for determining impression volumes of content items in a taxonomy hierarchy	US7921073B2	4/5/2007	4/5/2011
United States	Dynamic bid pricing for sponsored search	US7633899B2	10/5/2010	4/26/2011
United States	Dynamic bid pricing for sponsored search	US7856433B2	4/6/2007	12/21/2010
United States	System and method for modeling user selection feedback in a search result page	US7827184B2	4/10/2007	11/2/2010
United States	System and method for scenario based content delivery	US8266167B2	4/10/2007	9/11/2012
United States	System for generating query suggestions using a network of users and advertisers	US7921107B2	7/30/2007	4/5/2011
United States	System for generating query suggestions by integrating valuable query suggestions with experimental query suggestions using a network of users and advertisers	US7849080B2	7/30/2007	12/7/2010
United States	Temporal targeting of advertisements	US762937B2	4/11/2007	3/2/2010
United States	System and method for extrapolating data from a sample set	US8150844B2	4/12/2007	4/3/2012
United States	Techniques for detecting duplicate web pages	US7698317B2	4/20/2007	4/13/2010
United States	Using natural search click events to optimize online advertising campaigns	US7844605B2	4/20/2007	11/30/2010
United States	System and method for identifying advertisements responsive to historical user queries	US7644098B2	4/24/2007	1/5/2010
United States	System for serving data that matches content related to a search results page	US9940641B2	7/18/2016	4/10/2018
United States	System for serving data that matches content related to a search results page	US9396261B2	4/25/2007	7/19/2016
United States	Instant communication with TLS VPN tunnel management	US8418244B2	4/27/2007	4/9/2013

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Context-sensitive, self-adjusting targeting models	US7698410B2	4/27/2007	4/13/2010
United States	System and method for determining semantically related terms using an active learning framework	US8275722B2	3/10/2010	9/25/2012
United States	Method and apparatus using a classifier to determine semantically relevant terms	US7707127B2	4/30/2007	4/27/2010
United States	Apparatus and methods for providing search benchmarks	US7899815B2	5/2/2007	3/1/2011
United States	Smart fields	US8621383B2	7/12/2010	12/31/2013
United States	Smart fields	US7836407B2	5/2/2007	11/16/2010
United States	System and method for smoothing hierarchical data using isotonic regression	US7870474B2	5/4/2007	1/11/2011
United States	System and method for detecting a web page template	US76667417B2	5/4/2007	7/26/2011
United States	Trusted third party clearing house for lead tracking	US8423479B2	5/7/2007	4/16/2013
United States	Content delivery system using natural query events	US10275793B2	4/18/2014	4/30/2019
United States	Multi-user interactive web-based searches	US8621367B2	4/26/2013	12/31/2013
United States	Multi-user interactive web-based searches	US8458599B2	5/8/2007	6/4/2013
United States	Use of natural query events to improve online advertising campaigns	US8712844B2	5/8/2007	4/29/2014
United States	Automated tagging of syndication data feeds	US7752314B2	5/15/2007	7/6/2010
United States	Context-directed search	US8849855B2	5/16/2007	9/30/2014
United States	Geographically distributed real time communications platform	US8850035B1	5/16/2007	9/30/2014
United States	Interactive aggregation of data on a scatter plot	US8128056B2	5/17/2007	2/21/2012
United States	Efficient online computation of diverse query results	US8001117B2	5/18/2007	8/16/2011
United States	Dynamic layout for a search engine results page on implicit user feedback	US8015502B2	5/22/2007	9/6/2011
United States	Visual interface to indicate custom binning of items	US7756900B2	5/22/2007	7/13/2010
United States	Exporting aggregated and un-aggregated data	US7739229B2	5/22/2007	6/15/2010
United States	Dynamic layout for a search engine results page based on implicit user feedback	US8683379B2	7/28/2011	3/25/2014
United States	Methods of processing and segmenting web usage information	US9965764B2	5/23/2007	5/2/2018
United States	Incentive-based system and method for third-party web application development and publication	US10068238B2	5/23/2007	9/4/2018

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Prediction of click through rates using hybrid kalman filter-tree structured markov model classifiers	US7680746B2	5/23/2007	3/16/2010
United States	Visual browsing system and method	US9046985B2	10/7/2011	6/2/2015
United States	Visual browsing system and method	US8037424B2	5/24/2007	10/11/2011
United States	Enabling searching of user ratings and reviews using user profile location, and social networks	US7895177B2	5/29/2007	2/22/2011
United States	Method and apparatus for using B measures to learn balanced relevance functions from expert and user judgments	US7685078B2	5/30/2007	3/23/2010
United States	System and method for providing vector terms related to a search query	US8392446B2	5/31/2007	3/5/2013
United States	Enhanced search results based on user feedback relating to search result abstracts	US7818322B2	5/31/2007	10/19/2010
United States	Centralized location broker	US8045995B2	5/31/2007	10/25/2011
United States	Detection of abnormal user click activity in a search results page	US7860870B2	5/31/2007	12/28/2010
United States	User interactive precision targeting principle	US7882111B2	6/1/2007	2/1/2011
United States	Cold row encapsulation for server farm cooling system	US7672128B2	10/27/2008	3/2/2010
United States	Cold row encapsulation for server farm cooling system	US8913381B2	3/8/2013	12/16/2014
United States	Cold row encapsulation for server farm cooling system	US7957142B2	12/11/2009	6/7/2011
United States	Cold row encapsulation for server farm cooling system	US9930811B2	5/27/2016	3/27/2018
United States	Cold row encapsulation for server farm cooling system	US9363929B2	12/12/2014	6/7/2016
United States	Cold row encapsulation for server farm cooling system	US8305891B2	8/18/2008	3/12/2013
United States	Cold row encapsulation for server farm cooling system	US7430128B1	6/4/2007	9/30/2008
United States	Method and system for rendering a collection of media items	US8799249B2	6/8/2007	8/5/2014
United States	Category-based advertisement	US7865397B2	6/13/2007	1/4/2011
United States	Method and system for media-based event generation	US9542394B2	6/14/2007	1/10/2017
United States	Method and system for media landmark identification	US7908556B2	6/14/2007	3/15/2011
United States	Mobile contextual SMS advertising	US9430772B2	6/14/2007	8/30/2016
United States	Relative typing waiting time before disambiguation aids	US7747792B2	6/18/2007	6/29/2010
United States	System and method for knowledge based search system	US7788284B2	6/26/2007	8/31/2010
United States	Determining quality measures for web objects based on searcher behavior	US8290986B2	6/27/2007	10/16/2012

DOC ID : 341210722

US Assets

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United States	Method and system for generating a linear machine learning model for predicting online user input actions	US8364627B2	1/31/2011	1/29/2012
United States	Dynamic headline switcher	US8275760B2	6/28/2007	6/25/2012
United States	Granular data for behavioral targeting using predictive models	US7921069B2	6/28/2007	4/5/2011
United States	Granular data for behavioral targeting	US9760907B2	1/11/2012	9/12/2017
United States	System and method of generating recommendations using an RFID-enabled recommendation system	US7692536B2	6/29/2007	4/6/2010
United States	Desktop application factory and application templates	US8166455B2	6/28/2007	4/24/2012
United States	System and method for enabling parallel access to serially compressed files	US7756817B2	7/5/2007	7/13/2010
United States	Interface for visually searching and navigating objects	US7641429B2	7/10/2007	5/10/2011
United States	Behavioral predictions based on network activity locations	US7958228B2	7/11/2007	6/7/2011
United States	Method and system for improved media distribution	US8881186B2	7/12/2007	11/4/2014
United States	Method for matching electronic advertisements to surrounding content based on their advertisement content	US8073803B2	7/16/2007	12/6/2011
United States	Calculating cognitive efficiency score for navigational interfaces based on eye tracking data	US8108800B2	7/16/2007	1/31/2012
United States	Techniques for representing location information	US8165808B2	7/17/2007	4/24/2012
United States	Techniques for improving user engagement with advertisements	US9947016B2	7/18/2007	4/17/2018
United States	System and method of making markers for a finite subset of orders placed across continuous and countably infinite outcome spaces	US8566205B2	7/18/2007	10/22/2013
United States	System and method to facilitate classification and storage of events in a network	US8666815B2	7/20/2007	3/4/2014
United States	System and method to facilitate importation of data taxonomies within a network	US7991806B2	7/20/2007	8/2/2011
United States	System and method to facilitate matching of content to advertising information in a network	US8688521B2	7/20/2007	4/1/2014
United States	Connection sub-graphs in entity relationship graphs	US7685141B2	7/23/2007	3/23/2010
United States	Comment faces	US7747602B2	7/31/2007	6/29/2010
United States	Traffic predictor for network-accessible information modules	US7987261B2	7/31/2007	7/26/2011
United States	Mail compression scheme with individual message decompressibility	US7836099B2	7/31/2007	11/16/2010
United States	Enabling clustered search processing via text messaging	US7693902B2	8/2/2007	4/6/2010

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Employing pixel density to detect a spam image	US7882177B2	8/6/2007	2/1/2011
United States	Employing pixel density to detect a spam image	US8301719B2	12/8/2010	10/20/2012
United States	Estimating the date relevance of a query from query logs	US7966341B2	8/6/2007	8/21/2011
United States	Method and system of facilitating search by color	US8577134B2	8/7/2007	11/5/2013
United States	Remote profile modification for device recovery assist	US10182345B2	4/21/2005	1/15/2019
United States	Remote profile modification for device recovery assist	US9020466B2	8/9/2007	4/28/2015
United States	Systems and methods for providing a multi-function search box for creating word pages	US9418141B2	8/9/2007	8/16/2016
United States	Systems and methods for providing a persistent navigation bar in a word page	US7930645B2	8/9/2007	4/19/2011
United States	Systems and methods for providing enhanced content portability in a word page module	US8595183B2	8/9/2007	11/26/2013
United States	Systems and methods for comments aggregation and carryover in word pages	US8972458B2	8/9/2007	3/3/2015
United States	Method for generating structured query results using logical clustering	US7809745B2	8/9/2007	10/5/2010
United States	Method and system for wirelessly accessing a network	US10134043B2	8/13/2007	11/20/2018
United States	System and method for identifying similar media objects	US10152517B2	2/21/2013	12/11/2018
United States	System and method for selecting a training sample from a sample test based on data sample proximity	US7844567B2	8/13/2007	11/30/2010
United States	System and method for identifying similar media objects	US8407230B2	8/21/2007	3/26/2013
United States	System and method for identifying similar media objects	US7849892B2	8/13/2007	12/7/2010
United States	System and method for the generation of replacement titles for content items	US8055670B2	8/13/2007	11/8/2011
United States	Method and system for intent queries and results	US8903792B2	8/14/2007	12/2/2014
United States	Method for organizing structurally similar web pages from a web site	US7941420B2	8/14/2007	5/10/2011
United States	Systems and methods for providing media access patterns in a geographic area	US9037576B2	8/16/2007	5/19/2015
United States	Persistent visual media player	US8316300B2	1/21/2011	11/20/2012
United States	Persistent visual media player	US7877687B2	8/16/2007	1/24/2011
United States	Intelligent media buffering based on input focus proximity	US9148628B2	8/16/2007	9/29/2015
United States	Mobile carrier capability	US8010087B2	8/20/2007	8/30/2011

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Predictive discrete latent factor models for large scale dyadic data	US7953676B2	8/20/2007	5/31/2011
United States	Predictive stemming for web search with statistical machine translation models	US7788276B2	8/22/2007	8/31/2010
United States	Engagement-oriented recommendation principle	US7904303B2	8/24/2007	3/8/2011
United States	Secure inter-module communication mechanism	US9424551B2	1/30/2013	8/23/2016
United States	Secure inter-module communication mechanism	US8108771B2	9/9/2008	1/31/2012
United States	Secure inter-module communication mechanism	US8108770B2	8/27/2007	1/31/2012
United States	Integrating sponsored media with user-generated content	US8639714B2	8/29/2007	1/28/2014
United States	Module hosting and content generation platform	US8397212B2	8/29/2007	3/12/2013
United States	Integrating sponsored media with user-generated content	US9438950B2	12/10/2013	9/6/2016
United States	Integrating sponsored media with user-generated content	US10013704B2	6/9/2016	7/3/2018
United States	Automatic extraction of semantics from text information	US7899804B2	8/30/2007	3/1/2011
United States	Automatic extraction of semantics from text information	US8060491B2	1/27/2011	11/15/2011
United States	System and method using sampling for allocating web page placements in online publishing of content	US8001001B2	8/30/2007	8/16/2011
United States	Customizable mobile message services	US9271147B2	2/15/2012	2/23/2016
United States	Customizable mobile message services	US8200257B2	8/30/2007	6/12/2012
United States	Task-based tool for speeding and customizing interactions with web documents	US8087033B2	8/31/2007	12/27/2011
United States	Prediction engines using probability tree and computing node probabilities for the probability tree	US7908238B1	8/31/2007	3/15/2011
United States	System and method for recommending songs	US7783623B2	8/31/2007	8/24/2010
United States	System and method for generating a playlist from a mood gradient	US9830351B2	11/6/2013	11/28/2017
United States	System and method for generating a playlist from a mood gradient	US8583615B2	8/1/2007	11/12/2013
United States	System and method for generating a mood gradient	US9268812B2	10/31/2013	2/23/2016
United States	Customized today module	US8065619B2	9/4/2007	11/22/2011
United States	Instant messaging malware protection	US8689330B2	9/5/2007	4/1/2014
United States	Memory efficient storage of large numbers of key value pairs	US7903819B2	9/7/2007	3/8/2011
United States	Audible metadata	US9812023B2	9/10/2007	11/7/2017
United States	Social network site including trust-based wiki functionality	US10354083B2	7/20/2015	7/16/2019

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Automatically fetching web content with user assistance	US7941740B2	9/11/2007	5/10/2011
United States	Social network site including contact-based recommendation functionality	US7945862B2	9/11/2007	5/17/2011
United States	Social network site including trust-based Wiki functionality	US9087325B2	9/11/2007	7/21/2015
United States	Social network site including invitation functionality	US9177294B2	9/11/2007	11/3/2015
United States	System and method of inter-widget communication	US9836189B2	12/4/2012	12/5/2017
United States	Social network site including interactive digital objects	US9037970B2	9/11/2007	5/19/2015
United States	System and method of inter-widget communication	US8352966B2	9/11/2007	1/8/2013
United States	SMS shortcode allocation	US8467814B2	9/11/2007	6/18/2013
United States	Targeted in-group advertising	US9764461B2	9/12/2007	9/19/2017
United States	Methods and systems for merging datasets	US8108411B2	9/14/2007	1/31/2012
United States	SMS spam control	US7853248B2	9/21/2007	12/14/2010
United States	Mail monetization—revenue sharing model	US9836722B2	9/25/2007	12/5/2017
United States	Restoring a database using fuzzy snapshot techniques	US7725440B2	9/26/2007	5/25/2010
United States	Web-based competitions using dynamic preference balls	US8812514B2	9/26/2007	8/19/2014
United States	Methods for cross-market brand advertising, content metric analysis, and placement recommendations	US9898753B2	9/27/2007	2/20/2018
United States	Real-time search term popularity determination, by search origin geographic location	US9946801B2	8/11/2008	4/17/2018
United States	Real-time search term popularity determination, by search origin geographic location	US7428522B1	9/27/2007	9/23/2008
United States	Methods for managing content for brand related media	US8290982B2	9/27/2007	10/16/2012
United States	System and method of automatically sizing and adapting a widget to available space	US10176272B2	9/28/2007	1/8/2019
United States	System and method for contextual commands in a search results page	US9223895B2	9/28/2007	12/29/2015
United States	Three-dimensional website visualization	US8402394B2	9/28/2007	3/19/2013
United States	Gradient based optimization of a ranking measure	US7895198B2	9/28/2007	2/22/2011
United States	System and method for inclusion of interactive elements on a search results page	US9268856B2	9/28/2007	2/23/2016
United States	Decentralized record expiry	US7783607B2	9/28/2007	8/24/2010
United States	System and method for contextual commands in a search results page	US8140508B2	9/28/2007	3/20/2012

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for editing history in a search results page	US8108379B2	9/28/2007	1/31/2012
United States	System and method for keyboard navigation in a search results page	US8850358B2	9/28/2007	9/30/2014
United States	Bootstrapping social networks using augmented peer to peer distributions of social networking services	US9390396B2	10/3/2007	7/12/2016
United States	System and method for creating and applying predictive user click models to predict a target page associated with a search query	US9195743B2	10/4/2007	11/24/2015
United States	System and method for detecting Internet bots	US8280993B2	10/4/2007	10/2/2012
United States	System and method for caching posting lists	US7890488B2	10/5/2007	2/15/2011
United States	Peer to peer browser content caching	US10135919B2	5/19/2017	11/20/2018
United States	Device, method and computer program product for generating web feeds	US9448883B2	2/26/2014	9/20/2016
United States	Recommendations based on an adoption curve	US8050960B2	10/9/2007	11/1/2011
United States	Device, method and computer program product for generating web feeds	US8706757B1	10/9/2007	4/22/2014
United States	Peer to peer browser content caching	US9667714B2	1/11/2013	5/30/2017
United States	Recommendations based on an adoption curve	US8762228B2	10/21/2011	6/24/2014
United States	Peer to peer browser content caching	US8392604B2	10/9/2007	3/5/2013
United States	Network accessible media object index	US8145727B2	10/10/2007	3/27/2012
United States	Playlist resolver	US8959085B2	10/10/2007	2/17/2015
United States	Contextual ad matching strategies that incorporate author feedback	US8556002B2	10/10/2007	4/10/2012
United States	Identity management	US7689627B2	10/15/2007	3/30/2010
United States	Method for presenting a web page	US9104775B2	10/16/2007	8/11/2015
United States	Method and system for creating superior informational guides	US7962851B2	10/16/2007	6/14/2011
United States	Method and system for providing virtual co-presence to broadcast audiences on an online broadcasting system	US8887185B2	10/16/2007	11/11/2014
United States	System and method for implementing an ad management system for an extensible media player	US9843774B2	8/1/2008	12/12/2017
United States	Method and system for providing content according to personal preference	US8595226B2	10/17/2007	11/26/2013
United States	User augmented reality for camera-enabled mobile devices	US8275414B1	5/11/2012	9/25/2013
United States	User augmented reality for camera-enabled mobile devices	US8606317B2	10/31/2012	12/10/2013

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Virtual universal translator for a mobile device with a camera	US8725490B2	10/18/2007	5/13/2014
United States	System and method for learning a network of categories using prediction	US7877335B2	10/18/2007	1/25/2011
United States	Locating dense and isolated sub-graphs through constructing auxiliary weighted graph	US7788210B2	10/19/2007	8/31/2010
United States	Method and system for creating a bulletin board system (BBS) message including a map through a communication network	US8621043B2	10/19/2007	12/31/2013
United States	Method and system for replacing hyperlinks in a webpage	US8751606B2	10/19/2007	6/10/2014
United States	Delayed advertisement insertion in videos	US8108257B2	10/23/2007	1/31/2012
United States	Visual universal decryption apparatus and methods	US8406424B2	10/25/2007	3/26/2013
United States	Visual universal decryption apparatus and methods	US8712847B2	2/21/2013	4/29/2014
United States	Toolbar signature	US8958363B2	10/26/2007	6/7/2011
United States	Media enhancement mechanism using embed code	US8290929B2	10/26/2007	10/16/2012
United States	Shortcut sets for controlled environments	US7752285B2	10/26/2007	7/6/2010
United States	Shortcut sets for controlled environments	US8694614B2	10/17/2013	4/8/2014
United States	Shortcut sets for controlled environments	US8566424B2	3/25/2010	10/22/2013
United States	Text enhancement mechanism	US7899808B2	10/26/2007	3/1/2011
United States	Media enhancement mechanism using embed code	US9871841B2	10/15/2012	1/16/2018
United States	Method for selecting electronic advertisements using machine translation techniques	US7912843B2	10/29/2007	3/22/2011
United States	Method for selecting electronic advertisements using machine translation techniques	US8145649B2	12/16/2010	3/27/2012
United States	System and method for global load balancing of requests for content based on membership status of a user with one or more subscription services	US7904409B2	10/29/2007	3/8/2011
United States	System and method for global load balancing of requests for content based on membership status of a user with one or more subscription services	US8972326B2	1/27/2011	3/3/2015
United States	System and method for global load balancing of requests for content based on membership status of a user with one or more subscription services	US9692816B2	1/28/2015	6/27/2017
United States	Representative keyword selection	US9292863B2	6/7/2013	3/22/2016
United States	Community-based web filtering	US7747680B2	10/30/2007	6/29/2010

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Representative keyword selection	US8463779B2	10/30/2007	6/11/2012
United States	Auction-pricing many substitute products	US8156032B2	10/31/2007	4/19/2012
United States	Text display of geo-referenced information based on relative distance to a user location	US8775420B2	10/31/2007	7/8/2014
United States	System and method for updating a search results page in response to a user map interaction	US9418074B2	12/30/2011	8/16/2016
United States	Charity auctions on social networks for optimizing contributions to fundraising campaigns	US8086543B2	10/31/2007	12/27/2011
United States	System and/or method for processing events	US7890494B2	10/31/2007	2/15/2011
United States	System and method for updating a search results page in response to a user map interaction	US8108445B2	10/31/2007	1/31/2012
United States	Distributed collaborative knowledge generation system wherein students perform queries using a dynamic knowledge database and retrieved subsets of data are shared with multiple users on the web	US7885913B2	10/31/2007	2/8/2011
United States	Distributed collaborative knowledge generation system	US9171258B2	2/4/2011	10/27/2015
United States	Techniques for modifying a query based on query associations	US8930356B2	11/12/2007	1/6/2015
United States	Web page categorization using graph-based term selection	US7769749B2	11/13/2007	8/3/2010
United States	Advertisements on mobile devices using integrations with mobile applications	US8275419B2	11/14/2007	9/25/2012
United States	Advertisements on mobile devices using integrations with mobile applications	US8583188B2	8/29/2012	11/12/2013
United States	Device method and computer program product for sharing web feeds	US8150888B1	11/15/2007	4/3/2012
United States	Online advertiser keyword valuation to decide whether to acquire the advertiser	US7805331B2	11/20/2007	9/28/2010
United States	Advertisement display depth optimization to maximize click activity page yield	US7831456B2	11/21/2007	11/9/2010
United States	User initiated invite for automatic conference participation by invitee	US8396461B2	11/15/2011	3/12/2013
United States	User initiated invite for automatic conference participation by invitee	US8081958B2	11/21/2007	12/20/2011
United States	Method and system for media collection expansion	US10153958B2	4/30/2014	12/11/2018
United States	Method and system for media promotion	US9269089B2	11/22/2007	2/23/2016
United States	Method and system for media collection expansion	US8892606B2	11/22/2007	11/18/2014
United States	Targeted distribution of electronic coupons	US8280766B2	8/26/2011	10/2/2012

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Mobile device tracking and location awareness	US7973655B2	11/27/2007	7/5/2011
United States	Determining a relevance function based on a query error derived using a structured output learning technique	US8005774B2	11/28/2007	8/22/2011
United States	System and method to facilitate yearly inventory forecasting for network-based entities	US8010394B2	11/28/2007	8/30/2011
United States	Social news ranking using gossip distance	US7895284B2	11/29/2007	2/22/2011
United States	Social news ranking using gossip distance	US8370486B2	10/21/2011	2/5/2013
United States	Social news ranking using gossip distance	US8219631B2	11/16/2010	7/10/2012
United States	Enabling searching on abbreviated search terms via messaging	US79666304B2	11/30/2007	6/21/2011
United States	Social news forwarding to generate interest clusters	US8676887B2	11/30/2007	3/18/2014
United States	Dynamic representation of group activity through reactive personas	US7895049B2	11/30/2007	2/22/2011
United States	E-commerce system using searchable tags	US7783624B2	12/3/2007	8/24/2010
United States	Adjusting stored query relevance data based on query term similarity	US9400843B2	12/4/2007	7/26/2016
United States	Time based ordering of provided mobile content	US8812511B2	2/21/2012	8/19/2014
United States	Time based ordering of provided mobile content	US8145643B2	12/4/2007	3/27/2012
United States	Call limiter for web services	US7908363B2	12/5/2007	3/15/2011
United States	Methods and apparatus for computing graph similarity via signature similarity	US8019708B2	12/5/2007	9/13/2011
United States	Methods and apparatus for computing graph similarity via signature similarity	US8880449B2	9/24/2008	11/4/2014
United States	Methods and apparatus for computing graph similarity via sequence similarity	US8417657B2	5/2/2011	4/9/2013
United States	Methods and apparatus for computing graph similarity via sequence similarity	US79966349B2	12/5/2007	8/9/2011
United States	Virtual billboard display on a mobile device	US10223711B2	6/25/2015	3/5/2019
United States	Virtual billboard display on a mobile device	US9064019B2	12/6/2007	6/23/2015
United States	Advertising associated with multimedia content	US10248956B2	12/10/2007	4/2/2019
United States	System and method for conditional delivery of messages	US10333886B2	10/26/2012	8/25/2019
United States	System and method for conditional delivery of messages	US8799371B2	9/24/2008	8/5/2014
United States	System and method for conditional delivery of messages	US8307029B2	12/10/2007	11/6/2012
United States	System and method for conditional delivery of messages	US10033688B2	8/1/2014	7/24/2018

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for contextual addressing of communications on a network	US8671154B2	12/10/2007	3/11/2011
United States	System and method for optimizing the reserve price and allocation of web page placements in an online keyword auction using generalized trade reduction	US7860754B2	12/10/2007	12/28/2010
United States	System and method for training a multi-class support vector machine to select a common subset of features for classifying objects	US7836000B2	12/10/2007	11/16/2010
United States	Unsupervised detection of web pages corresponding to a similarity class	US7941421B2	3/2/2010	5/10/2011
United States	Unsupervised detection of web pages corresponding to a similarity class	US7707229B2	12/12/2007	4/27/2010
United States	System and method for generating a classifier model for classifying web content	US7949624B2	12/13/2007	5/24/2011
United States	Mitigation of search engine hijacking	US7870131B2	12/13/2007	1/11/2011
United States	Reduction of annotations to extract structured web data	US8046360B2	12/13/2007	10/25/2011
United States	Segmentation of search topics in query logs	US8478737B2	12/10/2010	7/2/2013
United States	Method and apparatus for discovering and classifying polysemous word instances in web documents	US7917496B2	12/14/2007	3/29/2011
United States	Method and apparatus for discovering and classifying polysemous word instances in web documents	US7957957B2	12/14/2007	6/7/2011
United States	Method and apparatus for discovering and classifying polysemous word instances in web documents	US8135715B2	12/14/2007	3/13/2012
United States	Segmentation of search topics in query logs	US7877389B2	12/14/2007	1/25/2011
United States	Sharing of multimedia and relevance measure based on hop distance in a social network	US8260822B2	12/14/2007	9/4/2012
United States	Sharing of content and hop distance over a social network	US7954058B2	12/14/2007	5/31/2011
United States	Dynamic data reorganization to accommodate growth across replicated databases	US7958088B2	12/14/2007	6/7/2011
United States	System for opinion reconciliation	US7895149B2	12/17/2007	2/22/2011
United States	System and method for internet marketing by endorsements	US8219492B2	12/17/2007	7/10/2012
United States	Using user search behavior to plan online advertising campaigns	US8452768B2	12/17/2007	5/28/2013
United States	Methods for augmenting user-generated content using a monetizable feature	US10192244B2	12/23/2013	1/29/2019
United States	Method and apparatus for detecting and explaining bursty stream events in targeted groups	US8612409B2	12/18/2007	12/17/2013

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for detecting and explaining bursty stream events in targeted groups	US9053186B2	12/6/2013	6/9/2015
United States	Methods for augmenting user-generated content using a monetizable feature	US8655718B2	12/18/2007	7/18/2014
United States	Podcast/broadcasting for mobile media content	US8265612B2	12/18/2007	9/11/2012
United States	Method and system for quantifying the quality of search results based on cohesion	US7720870B2	12/18/2007	5/18/2010
United States	System and method for facilitating trusted recommendations	US8108239B2	12/19/2007	1/31/2012
United States	Extracting semantic relations from query logs	US7895235B2	12/19/2007	2/22/2011
United States	Using a bipartite graph to model and derive image and text associations	US8001122B2	12/20/2007	8/16/2011
United States	DNS wildcard beaconing to determine client location and resolver load for global traffic load balancing	US8256340B2	12/20/2007	6/17/2014
United States	DNS wildcard beaconing	US9577919B2	2/27/2014	2/21/2017
United States	Method and system for monitoring rest web services	US8275855B2	12/20/2007	9/25/2012
United States	Web service multi-key rate limiting method and system	US7844707B2	12/20/2007	11/30/2010
United States	Expanding a query to include terms associated through visual content	US7882124B2	12/28/2007	2/1/2011
United States	System and method for crawl ordering by search impact	US7899807B2	12/20/2007	3/4/2011
United States	Systems and methods for presenting visualizations of media access patterns	US8599203B2	12/20/2007	12/3/2013
United States	User vacillation detection and response	US8527623B2	12/21/2007	9/3/2013
United States	Mobile click fraud prevention	US8799869B2	12/21/2007	8/5/2014
United States	System and method for annotating and ranking reviews with inferred analytics	US9495637B2	7/27/2011	11/15/2016
United States	Media toolbar and aggregated/distributed media ecosystem	US9736216B2	12/26/2012	8/15/2017
United States	Maintaining state transition data for a plurality of users, modeling, detecting, and predicting user states and behavior	US7941383B2	12/21/2007	5/10/2011
United States	Method for determining network proximity for global traffic load balancing using passive TCP performance instrumentation	US7962631B2	12/21/2007	6/14/2011
United States	Media toolbar and aggregated/distributed media ecosystem	US8375131B2	12/21/2007	2/12/2013
United States	Systems and methods of ranking attention	US7769740B2	12/21/2007	8/3/2010
United States	System and method for annotating and analyzing reviews with inferred analytics	US8032471B2	12/21/2007	10/4/2011

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Syndicating humor	US8429145B2	12/21/2007	4/23/2012
United States	User vacillation detection and response	US8832270B2	8/16/2013	9/9/2014
United States	Using product and social network data to improve online advertising	US8843406B2	12/27/2007	9/23/2014
United States	System and method for adding identity to web rank	US8832069B2	12/4/2012	9/9/2014
United States	System and method for generating expertise based search results	US8306965B2	11/9/2010	11/6/2012
United States	System and method for generating expertise based search results	US7853583B2	12/27/2007	12/14/2010
United States	System and method for adding identity to web rank	US8346750B2	10/27/2011	1/1/2013
United States	System and method for adding identity to web rank	US7840548B2	12/27/2007	11/23/2010
United States	System and method for annotation and ranking of reviews personalized to prior user experience	US8364688B2	12/27/2007	1/29/2013
United States	System and method for adding identity to web rank	US8051065B2	10/19/2010	11/1/2011
United States	Method and apparatus for detecting spam user created content	US8095547B2	12/28/2007	1/10/2012
United States	Creating and editing media objects using web requests	US7840661B2	12/28/2007	11/23/2010
United States	Determining attention data using DNS information	US7949724B1	12/28/2007	5/24/2011
United States	Method of creating graph structure from time-series of attention data	US8046675B2	12/28/2007	10/25/2011
United States	Method of creating graph structure from time-series of attention data	US8621339B2	10/21/2011	12/31/2013
United States	Mapless global server load balancing of network traffic using anycast routing	US8073953B2	5/28/2010	12/6/2011
United States	Hot term prediction for contextual shortcuts	US8060455B2	12/31/2007	11/15/2011
United States	System and method of feature selection for text classification using subspace sampling	US8046517B2	12/31/2007	10/25/2011
United States	Predicting and ranking research query results	US7831595B2	12/31/2007	11/9/2010
United States	Computerized systems and methods of mapping attention based on W4 data related to a user	US10311452B2	3/24/2017	6/4/2019
United States	Computerized system and method for generating and updating a map user interface	US10212539B2	7/3/2017	2/19/2019
United States	Systems and methods of mapping attention	US9626685B2	1/4/2008	4/18/2017
United States	Interest mapping system	US9706345B2	1/4/2008	7/11/2017
United States	Automatic visual segmentation of webpages	US8255793B2	1/8/2008	8/28/2012
United States	Adapting a context-independent relevance function for identifying relevant search results	US8775416B2	1/9/2008	7/8/2014

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Generating example data for testing database queries	US7805447B2	1/16/2008	9/28/2010
United States	Query identification and normalization for web search	US7974971B2	6/17/2010	7/5/2011
United States	Local query identification and normalization for web search	US7776974B2	1/16/2008	8/3/2010
United States	System and method for word-of-mouth advertising	US100074093B2	7/25/2008	9/11/2018
United States	Query processing for web search	US8296288B2	7/1/2011	10/23/2012
United States	Learning framework for online applications	US7996897B2	1/25/2008	8/9/2011
United States	Personalized ad delivery when ads fatigue	US7805429B2	1/29/2008	9/28/2010
United States	System and/or method for obtaining of user generated content boxes	US8856097B2	1/30/2008	10/7/2014
United States	Apparatus and methods for tracking, querying, and visualizing behavior targeting processes	US7933884B2	1/30/2008	4/26/2011
United States	Learning query rewrite policies	US8005828B2	2/5/2008	8/23/2011
United States	Context-sensitive query expansion	US7831588B2	2/5/2008	11/9/2010
United States	Mobile marketing application	US8196095B2	2/5/2008	6/5/2012
United States	Power management for proximity-based ad hoc networks	US7822564B2	2/8/2008	10/26/2010
United States	Time code validation and correction for proximity-based ad hoc networks	US9467808B2	6/6/2014	10/11/2016
United States	Time code validation and correction for proximity-based ad hoc networks	US8756030B2	2/8/2008	6/17/2014
United States	Method and system for presenting targeted advertisements	US9773249B2	2/8/2008	9/26/2017
United States	Data sharing based on proximity-based ad hoc network	US8060018B2	2/8/2008	11/15/2011
United States	Location tracking based on proximity-based ad hoc network	US8045482B2	2/8/2008	10/25/2011
United States	Automated document classifier tuning including training set adaptive to user browsing behavior	US7797260B2	2/11/2008	9/14/2010
United States	Social network search	US8195656B2	2/3/2008	6/5/2012
United States	Apparatus and methods for lossless compression of numerical attributes in rule-based systems	US8650144B2	2/14/2008	2/11/2014
United States	Efficient compression of applications	US8813041B2	2/14/2008	8/19/2014
United States	Search result abstract quality using community metadata	US8930376B2	2/15/2008	1/12/2015
United States	Systems and methods of predicting resource usefulness using universal resource locators including counting the number of times URL features occur in training data	US7908234B2	2/15/2008	3/15/2011

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for writing data dependent upon multiple reads in a distributed database	US7895172B2	2/19/2008	2/22/2011
United States	Systems and methods for providing direct communication from personalized targeted advertisements	US8468049B2	2/20/2008	6/18/2013
United States	Method for generating forecasting landscapes	US8296177B2	2/20/2008	10/23/2012
United States	Identifying IP addresses for spammers	US7849146B2	2/21/2008	12/7/2010
United States	Structural clustering and template identification for electronic documents	US8239387B2	2/22/2008	8/7/2012
United States	System for query scheduling to maximize work sharing	US7877380B2	2/25/2008	1/25/2011
United States	Prioritizing media assets for publication	US7860875B2	2/25/2008	12/28/2010
United States	Filter for blocking image-based spam	US8255078B2	2/28/2008	11/8/2011
United States	System and/or method for personalization of searches	US9043313B2	2/28/2008	5/26/2015
United States	Method and apparatus for social network marketing with advocate referral	US8538811B2	3/3/2008	9/17/2013
United States	Method and apparatus for social network marketing with consumer referral	US8554623B2	3/3/2008	10/8/2013
United States	Method and apparatus for social network marketing with brand referral	US8560390B2	3/3/2008	10/15/2013
United States	Search query categorization into verticals	US7895206B2	3/5/2008	2/22/2011
United States	Navigation using a search engine and phonetic voice recognition	US8380512B2	3/10/2008	2/19/2013
United States	System and method for automatic detection of needy queries	US8120118B2	5/16/2011	11/13/2012
United States	System and method for automatic detection of needy queries	US7970460B2	3/11/2008	6/28/2011
United States	System, method, and/or apparatus for reordering search results	US8412702B2	3/12/2008	4/2/2013
United States	Personalizing sponsored search advertising layout using user behavior history	US8762364B2	3/18/2008	6/24/2014
United States	Graphical ranking conversion	US8170349B2	3/18/2008	5/1/2012
United States	System and method for detecting human judgment drift and variation control	US8005775B2	3/18/2008	8/23/2011
United States	Classifying content resources using structured patterns	US8005862B2	3/20/2008	8/23/2011
United States	Using embedded metadata to improve search result presentation	US8135707B2	3/27/2008	3/15/2012
United States	Search engine configured to minimize performance degradation under high load	US8108340B2	3/28/2008	1/31/2012

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method for segmenting webpages by parsing webpages into document object modules (DOMs) and creating weighted graphs	US7974934B2	3/28/2008	7/5/2011
United States	System and method for addressing communications	US8589486B2	3/28/2008	11/19/2013
United States	System and method for optimizing the storage of data	US8745133B2	3/28/2008	6/3/2014
United States	Extending media annotations using collective knowledge	US8429176B2	3/28/2008	4/23/2013
United States	System for providing mobile advertisement actions	US10373201B2	9/7/2017	8/6/2019
United States	System for providing mobile advertisement actions	US9785970B2	12/30/2013	10/10/2017
United States	Learning ranking functions incorporating isotonic regression for information retrieval and ranking	US7849076B2	3/31/2008	12/7/2010
United States	Information retrieval using dynamic guided navigation	US9798906B2	3/31/2008	10/24/2017
United States	Learning ranking functions incorporating boosted ranking in a regression framework for information retrieval and ranking	US90051072B2	3/31/2008	11/1/2011
United States	System for providing mobile advertisement actions	US8644808B2	3/31/2008	2/4/2014
United States	Cross-domain matching system	US9477717B2	3/31/2008	10/25/2016
United States	Ranking advertisements with pseudo-relevance feedback and translation models	US9411886B2	3/31/2008	8/9/2016
United States	System and method for modeling relationships between entities	US8386499B2	8/20/2012	2/26/2013
United States	System and method for modeling relationships between entities	US9020960B2	2/26/2013	4/28/2015
United States	Access to trusted user-generated content using social networks	US8250096B2	3/31/2008	8/21/2012
United States	System and method for modeling relationships between entities	US8271506B2	3/31/2008	9/18/2012
United States	System and method for providing dynamically updating applications in a television display environment	US9179065B2	4/4/2008	11/3/2015
United States	Local map chat	US8312380B2	4/4/2008	11/13/2012
United States	Method and system for comparing effects of audio-visual ads on internet searches	US8374913B2	4/7/2008	2/12/2013
United States	System and method for detecting templates of a website using hyperlink analysis	US7962523B2	4/11/2008	6/14/2011
United States	System and/or method for bulk loading of records into an ordered distributed database	US8893131B2	4/11/2008	11/18/2014
United States	Abbreviation handling in web search	US8204874B2	9/17/2010	6/19/2012
United States	Abbreviation handling in web search	US7809715B2	4/15/2008	10/5/2010

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for trail identification with search results	US9754044B2	9/25/2013	9/5/2017
United States	System and method for trail identification with search results	US8589395B2	4/15/2008	11/25/2013
United States	Normalizing query words in web search	US8010547B2	4/15/2008	8/30/2011
United States	Identifying superphrases of text strings	US8655902B2	12/7/2011	2/18/2014
United States	Identifying superphrases of text strings	US8095540B2	4/16/2008	1/10/2012
United States	System and method for providing image labeling game using CBR	US7962468B2	4/21/2008	6/14/2011
United States	System and method for accelerating editorial processes for unsafe content labeling using CBR	US8037079B2	4/17/2008	10/11/2011
United States	Ranking using word overlap and correlation features	US8918328B2	4/18/2008	12/23/2014
United States	System and method for classifying tags of content using a hyperlinked corpus of classified web pages	US8048361B2	4/18/2008	10/25/2011
United States	Method of registering advertisements on an electronic map	US9747602B2	4/21/2008	8/29/2017
United States	Trail-based exploration of a repository of documents	US8001111B2	5/8/2008	8/16/2011
United States	Trail-based exploration of a repository of documents	US8051068B2	4/21/2008	11/1/2011
United States	Method and system for retrieving and organizing web pages	US7953777B2	4/25/2008	5/31/2011
United States	Search query scoring and popularity monitoring and systems and methods therefor	US9817896B2	4/28/2008	11/14/2017
United States	Discovery of friends using social network graph properties	US8744976B2	4/28/2008	6/3/2014
United States	Method and apparatus for rating user generated content in search results	US7949643B2	4/29/2008	5/24/2011
United States	Method and apparatus for rating user generated content in search results	US8290927B2	4/19/2011	10/16/2012
United States	Ranking documents through contextual shortcuts	US9135328B2	4/30/2008	9/15/2015
United States	Modification of brand representations by a brand engine in a social network	US9058609B2	4/30/2008	6/16/2015
United States	Modification of content representation by a brand engine in a social network	US9262764B2	4/30/2008	2/16/2016
United States	Adaptive user feedback window	US8332775B2	4/30/2008	12/11/2012
United States	Generating document templates that are robust to structural variations	US7668942B2	5/2/2008	2/25/2010
United States	Algorithmically generated topic pages	US9798807B2	5/6/2008	10/24/2017
United States	Automated tagging of documents	US8156053B2	5/9/2008	4/10/2012

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for web ad matching	US9824124B2	12/12/2013	11/21/2017
United States	Method, apparatus and computer readable medium for indexing advertisements to combine relevance with consumer click feedback	US8725752B2	3/7/2012	5/13/2014
United States	Advertisement detection	US8353008B2	5/19/2008	1/8/2013
United States	Distributed spam filtering utilizing a plurality of global classifiers and a local classifier	US8108323B2	5/19/2008	1/31/2012
United States	System and method for automatically ranking lines of text	US8005845B2	5/20/2008	8/23/2011
United States	Virtual billboards	US8711176B2	5/22/2008	4/29/2014
United States	Real time expert dialog service	US7974940B2	5/22/2008	7/5/2011
United States	Federation and interoperability between social networks	US8886817B2	5/22/2008	11/11/2014
United States	Automatic ad group creation in a networked advertising environment	US8595097B2	5/30/2008	11/26/2013
United States	Application navigation	US8171429B2	5/30/2008	5/1/2012
United States	System and method for delivery of augmented messages	US8166124B2	4/4/2011	4/24/2012
United States	System and method for delivery of augmented messages	US7925708B2	6/2/2008	4/12/2011
United States	Contextual ranking of keywords using click data	US8051080B2	6/3/2008	11/1/2011
United States	Inverted indices in information extraction to improve records extracted per annotation	US8010544B2	6/6/2008	8/30/2011
United States	Identifying regional sensitive queries in web search	US7949672B2	6/10/2008	5/24/2011
United States	System and/or method for balancing allocation of data among reduce processes by reallocation	US8726290B2	6/12/2008	5/13/2014
United States	Creation and enrichment of search based taxonomy for finding information from semistructured data	US8126988B2	6/18/2008	2/28/2012
United States	Methods and apparatuses for adapting a ranking function of a search engine for use with a specific domain	US8126839B2	6/19/2008	2/28/2012
United States	Mobile imaging device as navigator	US8478000B2	10/5/2011	7/2/2013
United States	Mobile imaging device as navigator	US8798323B2	8/8/2012	8/5/2014
United States	Adaptive materialized view selection for databases	US7921103B2	6/20/2008	4/5/2011
United States	Mobile imaging device as navigator	US8897498B2	2/11/2013	11/25/2014
United States	Mobile imaging device as navigator	US8098894B2	6/20/2008	1/17/2012
United States	Assigning human-understandable labels to web pages	US8185528B2	6/23/2008	5/22/2012
United States	Automated friend finder	US8027931B2	6/26/2008	9/27/2011

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for determination and display of personalized distance	US9222780B2	12/31/2013	12/29/2015
United States	Systems and methods for tokenizing and interpreting uniform resource locators	US8001106B2	6/27/2008	9/16/2011
United States	System and method for determination and display of personalized distance	US8706406B2	6/27/2008	4/22/2014
United States	Systems and method for determination and display of personalized distance	US9574899B2	11/30/2015	2/21/2017
United States	System and method for propagation based media delivery	US8813107B2	6/27/2008	8/19/2014
United States	Compiler based code modification for use in document ranking	US8621424B2	6/30/2008	12/31/2013
United States	Analysis of database performance reports for graphical presentation of summary results	US8158421B2	6/30/2008	4/10/2012
United States	Prefetching data for document ranking	US8458170B2	6/30/2008	6/4/2013
United States	Automated system and method for creating a content-rich site based on an emerging subject of internet search	US8271474B2	6/30/2008	9/18/2012
United States	Forecasting association rules across user engagement levels	US8170974B2	7/7/2008	5/1/2012
United States	Real time detection of parking space availability	US7893847B2	7/9/2008	2/22/2011
United States	Systems and methods for query expansion in sponsored search	US8521731B2	7/9/2008	8/27/2013
United States	Operations of multi-level nested data structure	US8078638B2	7/9/2008	12/13/2011
United States	Operations on multi-level nested data structure	US8078645B2	7/9/2008	12/13/2011
United States	Anti-spam profile clustering based on user behavior	US8554847B2	7/15/2008	10/8/2013
United States	Method and apparatus for sharing concurrent ad hoc web content between users visiting the same web pages	US9009228B2	1/13/2012	4/14/2015
United States	Method and apparatus for sharing concurrent ad hoc web content between users visiting the same web pages	US8099463B2	7/16/2008	1/17/2012
United States	Virtual notes in a reality overlay	US9191238B2	7/23/2008	11/17/2015
United States	Virtual notes in a reality overlay	US9288079B2	1/27/2012	3/15/2016
United States	Decision tree coalescing for document ranking	US8065242B2	7/23/2008	11/22/2011
United States	Tokenization platform	US9195738B2	8/13/2012	11/24/2015
United States	Tokenization platform	US8301437B2	7/24/2008	10/30/2012
United States	Techniques for visual representation of user activity associated with an information resource	US8219916B2	7/25/2008	7/10/2012

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Techniques for generating a visual representation of user activity associated with an information resource	US9111236B2	4/10/2012	8/18/2018
United States	Federated community search	US10025855B2	7/28/2008	7/17/2018
United States	Region and duration uniform resource identifiers (URI) for media objects	US8086700B2	7/29/2008	12/27/2011
United States	Building a research document based on implicit/explicit actions	US9361375B2	7/29/2008	6/7/2016
United States	Research tool access based on research session detection	US8832098B2	7/29/2008	9/9/2014
United States	System and method for improved mapping and routing	US10230803B2	7/30/2008	3/12/2019
United States	System and method for context enhanced mapping	US10133458B2	12/29/2014	11/20/2018
United States	System and method for context enhanced mapping	US8959100B2	11/11/2013	2/17/2015
United States	System and method for context enhanced mapping	US8588668B2	7/30/2008	11/12/2013
United States	Bandwidth and cost management for ad hoc networks	US87792040B2	7/30/2008	9/7/2010
United States	Automatic updating of content included in research documents	US8775465B2	7/30/2008	7/8/2014
United States	System and method for loading records into a partitioned database table	US8051032B2	7/31/2008	11/1/2011
United States	Framework to evaluate content display policies	US8504558B2	7/31/2008	8/6/2013
United States	Classifying documents using implicit feedback and query patterns	US8645369B2	7/31/2008	2/4/2014
United States	Systems and methods for determining a tag match ratio	US8024342B2	7/31/2008	9/20/2011
United States	Method and system for displaying online advertisements	US9280779B2	12/21/2011	3/8/2016
United States	Method and system for displaying online advertisements	US9639845B2	8/6/2008	5/2/2017
United States	Interconnected, universal search experience across multiple verticals	US8889582B2	8/6/2008	7/16/2013
United States	Context based search arrangement for mobile devices	US9367618B2	8/7/2008	6/14/2016
United States	Window overlay for online collaboration platform	US8060828B2	8/8/2008	11/15/2011
United States	Facilitated search for online collaboration platform	US8006200B2	8/8/2008	8/23/2011
United States	Notification controls for online collaboration platform	US8060823B2	8/8/2008	11/15/2011
United States	System and method for combating phishing	US8528079B2	11/12/2008	9/3/2013
United States	System and method for compiling a set of domain names to recover	US8499032B2	8/14/2008	7/30/2013
United States	Online batch execution	US8181178B2	8/14/2008	5/15/2012
United States	Generating succinct titles for web URLs	US8346754B2	8/19/2008	1/14/2013
United States	Measuring topical coherence of keyword sets	US7577652B1	9/23/2008	8/18/2009
United States	Measuring topical coherence of keyword sets	US8577930B2	8/20/2008	11/5/2013

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Advertising in an online community	US8700609B2	8/20/2008	4/15/2011
United States	Information sharing in an online community	US8719258B2	8/20/2008	5/6/2014
United States	System and method for context enhanced messaging	US8386506B2	8/21/2008	2/26/2013
United States	System and method for assisting search requests with vertical suggestions	US8010537B2	8/27/2008	8/30/2011
United States	Embeddable web application agent	US9020970B2	8/29/2008	4/28/2015
United States	Generation of search result abstracts	US8984398B2	8/28/2008	3/17/2015
United States	Delivering partially processed results based on system metrics in network content delivery systems	US8019899B2	8/28/2008	9/13/2011
United States	Performing large scale structured search allowing partial schema changes without system downtime	US8290923B2	9/5/2008	10/16/2012
United States	Presence indication configuration methodology	US7689650B1	9/12/2008	3/30/2010
United States	Restoring program information for clips of broadcast programs shared online	US9036717B2	8/31/2012	5/19/2015
United States	Restoring program information for clips of broadcast programs shared online	US9424349B2	5/18/2015	8/23/2016
United States	Restoring program information for clips of broadcast programs shared online	US8295363B2	9/15/2008	10/23/2012
United States	Efficient data layout techniques for fast machine learning-based document ranking	US8533129B2	9/16/2008	9/10/2013
United States	System and method for detecting internet bots	US833785B2	9/16/2008	4/30/2013
United States	Apparatus, method, and manufacture for managing scalable and traceable exchanges of content between advertisers and publishers for mobile devices	US8391758B2	9/16/2008	3/5/2013
United States	Method and apparatus for administering a bidding language for online advertising	US8527353B2	9/16/2008	9/3/2013
United States	System and method for distributing media related to a location	US8281027B2	9/19/2008	10/2/2012
United States	System and method for distributing media related to a location	US8856375B2	9/14/2012	10/7/2014
United States	System and method for ranking search results using social information	US7966325B2	9/24/2008	5/21/2011
United States	Time-tagged meta-information and content display method and system	US8856641B2	9/24/2008	10/7/2014
United States	Optimization filters for user generated content searches	US8793249B2	9/24/2008	7/29/2014
United States	Automated tagging of objects in databases	US8407216B2	9/25/2008	3/26/2013

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Associating objects in databases by rate-based tagging	US8713009B2	9/25/2008	4/29/2014
United States	Integration of open advertisements with e-commerce activities	US8374949B2	9/26/2008	2/12/2013
United States	Estimating on-line advertising inventory value based on contract eligibility information	US8538809B2	9/29/2008	9/17/2013
United States	Community caching networks	US8108481B2	9/29/2008	1/31/2012
United States	Classification and cluster analysis spam detection and reduction	US7809824B2	9/29/2008	10/5/2010
United States	Query refinement based on user selections	US8819003B2	4/23/2013	8/26/2014
United States	System and method for reducing user interaction patterns based on limited activities	US9740986B2	9/30/2008	8/22/2017
United States	Content access and annotation system and method	US8504987B2	9/30/2008	8/6/2013
United States	Age-targeted online marketing using inferred age range information	US8996844B2	9/30/2008	6/12/2018
United States	Click through rate prediction system and method	US8738436B2	9/30/2008	5/27/2014
United States	Decompilation used to generate dynamic data driven advertisements	US7941340B2	9/30/2008	5/10/2011
United States	System for optimizing ad performance at campaign learning time	US8645205B2	9/30/2008	2/4/2014
United States	System and method for reporting and analysis of media consumption data	US9600484B2	9/30/2008	3/21/2017
United States	Consensus-based reliable messaging	US8005917B2	9/30/2008	8/23/2011
United States	Query refinement based on user selections	US8452793B2	9/30/2008	5/28/2013
United States	Query log mining for detecting spam hosts	US8996622B2	9/30/2008	3/31/2015
United States	Method and system for verifying a recipient of a communication	US7945630B2	9/30/2008	5/17/2011
United States	System and method for context enhanced mapping within a user interface	US8108778B2	9/30/2008	1/31/2012
United States	System and method for context enhanced mapping within a user interface	US9026917B2	10/11/2011	5/5/2015
United States	Demand forecasting system and method for online advertisements	US8321280B2	10/11/2008	11/27/2012
United States	Interactive system for internet information retrieval and exploration	US8719292B2	10/7/2008	5/6/2014
United States	Context sensitive user group communications	US9900277B2	12/2/2013	2/20/2018
United States	System and method for maintaining context sensitive user groups	US8601377B2	10/8/2008	12/8/2013
United States	Detection of undesirable web pages	US7974970B2	10/9/2008	7/5/2014
United States	System and method for content access control	US9607096B2	6/23/2014	3/28/2017

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for content access control	US8763087B2	10/9/2008	6/24/2014
United States	Method and system for providing customized regional maps	US9336695B2	10/13/2008	5/19/2016
United States	System for automatically categorizing queries	US8041733B2	2/9/2009	10/18/2011
United States	System and methodology for a multi-site search engine	US8095545B2	10/14/2008	1/10/2012
United States	Phishing abuse recognition in web pages	US8433141B2	5/21/2012	4/30/2013
United States	Phishing abuse recognition in web pages	US8189924B2	10/15/2008	5/29/2012
United States	Reconfiguring reality using a reality overlay device	US9480919B2	10/24/2008	11/1/2016
United States	Digital image retrieval by aggregating search results based on visual annotations	US7962500B2	10/24/2008	6/14/2011
United States	Methods for improving the diversity of image search results	US8174043B2	10/24/2008	5/1/2012
United States	Method and apparatus for estimating the size of rendered text	US8037410B2	10/27/2008	10/11/2011
United States	Scalable firewall policy management platform	US8146134B2	10/28/2008	3/27/2012
United States	Scalable firewall policy management platform	US8763074B2	2/16/2012	6/24/2014
United States	Video comparing using fingerprint representations	US8433175B2	10/28/2008	4/30/2013
United States	Automated user segment selection for delivery of online advertisements	US8234166B2	10/29/2008	7/31/2012
United States	System and method for forecasting an inventory of online advertisement impressions for targeting impression attributes	US8311882B2	10/30/2008	11/13/2012
United States	Cross-network social networking application architecture	US9836798B2	10/30/2008	12/5/2017
United States	System and method for pricing of overlapping impression pools of online advertisement impressions for advertising demand	US8224692B2	10/31/2008	7/17/2012
United States	System and method for generating an online summary of a collection of documents	US8037053B2	10/31/2008	10/11/2011
United States	Virtual environment spanning desktop and cloud	US8965842B2	7/15/2014	2/24/2015
United States	Adaptive weighted crawling of user activity feeds	US8468158B2	1/5/2008	6/18/2013
United States	Virtual environment spanning desktop and cloud	US8838527B2	11/6/2008	9/16/2014
United States	Enhanced matching through explore/exploit schemes	US8560293B2	8/8/2012	10/15/2013
United States	Enhanced matching through explore/exploit schemes	US8244517B2	11/7/2008	8/14/2012
United States	Exploring large textual data sets via interactive aggregation	US8732160B2	11/11/2008	5/28/2014
United States	Single use web based passwords for network login	US8365267B2	11/13/2008	1/29/2013
United States	Automatic local listing owner authentication system	US8353018B2	11/13/2008	1/8/2013

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Dynamic feature weighting	US10210179B2	11/18/2008	2/19/2010
United States	Click model for search rankings	US8671093B2	11/18/2008	3/11/2014
United States	System and method for deriving income from URL based context queries	US9400987B2	9/19/2011	7/26/2016
United States	Efficient caching for dynamic webservice queries using cachable fragments	US7962502B2	11/18/2008	6/14/2011
United States	System and method for data privacy in URL based context queries	US9805123B2	11/18/2008	10/31/2017
United States	System and method for generation of URL based context queries	US8060492B2	11/18/2008	11/15/2011
United States	System and method for deriving income from URL based context queries	US8024317B2	11/18/2008	9/20/2011
United States	Computerized systems and methods for generating a dynamic web page based on retrieved content	US9971842B2	6/23/2016	5/15/2018
United States	Efficient caching for dynamic webservice queries using cachable fragments	US8586507B2	5/11/2011	2/26/2013
United States	System and method for URL based query for retrieving data related to a context	US8032508B2	11/18/2008	10/4/2011
United States	Method and system for generating a hyperlink-click graph	US7945565B2	11/20/2008	5/17/2011
United States	Clustering image search results through voting: reciprocal action	US8112428B2	11/24/2008	2/7/2012
United States	Identifying and expanding implicitly temporally quantified queries	US8156111B2	11/24/2008	4/10/2012
United States	Method and apparatus for organizing digital photographs	US9110927B2	11/25/2008	8/18/2015
United States	Method for storing bookmarks for search results from previously submitted search queries by a user and storing links to selected documents by the user	US8868518B2	9/14/2012	10/21/2014
United States	Method for storing bookmarks for search results from previously submitted search queries by a user and storing links to selected documents by the user	US8290944B2	11/25/2008	10/16/2012
United States	Lightning search aggregate	US9594835B2	11/25/2008	3/14/2017
United States	Navigation assistance for search engines	US8484184B2	4/27/2011	7/9/2013
United States	Distribution data items within geographically distributed databases	US8495021B2	11/26/2008	7/23/2013
United States	Navigation assistance for search engines	US7949647B2	11/26/2008	5/24/2011
United States	System and method for context based query augmentation	US8856167B2	10/3/2011	10/8/2014
United States	System and method for context based query augmentation	US8055675B2	12/5/2008	11/8/2011
United States	Determining related keywords based on lifestream feeds	US8515908B2	1/4/2012	8/20/2013

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Determining related keywords based on lifestream feeds	US8112393B2	12/5/2008	2/7/2012
United States	System and method for logging operations	US8682842B2	12/9/2008	3/25/2014
United States	Rules and method for improving image search relevance through games	US8296305B2	12/9/2008	10/23/2012
United States	Mining broad hidden query aspects from user search sessions	US9305051B2	12/10/2008	4/5/2016
United States	System and method for in-context exploration of search results	US9489420B2	2/29/2006	11/8/2016
United States	System and method for in-context exploration of search results	US9317602B2	12/11/2008	4/19/2016
United States	System and method for a data driven meta-auction mechanism for sponsored search	US8484094B2	7/30/2012	7/9/2013
United States	System and method for a data driven meta-auction mechanism for sponsored search	US8260680B2	12/18/2008	9/4/2012
United States	System and method for automated service recommendations	US9116601B2	12/19/2008	4/24/2012
United States	Conversion and query for data dragged on web-sites	US8413063B2	1/13/2009	4/2/2013
United States	Conversion service for data dragged on web-sites	US8504931B2	12/19/2008	8/6/2013
United States	Method and system for detecting image spam	US8731284B2	12/19/2008	5/20/2014
United States	System and method of geo-based prediction in search result selection	US8352466B2	12/22/2008	1/8/2013
United States	System and method for improved classification	US9639780B2	12/22/2008	5/2/2017
United States	Context transfer in search advertising	US8886636B2	12/23/2008	11/11/2014
United States	System and method for dynamically monetizing keyword values	US8069160B2	12/24/2008	11/29/2011
United States	Rapid iterative development of classifiers	US8497908B2	12/24/2008	9/30/2014
United States	Robust wrappers for web extraction	US8762829B2	12/24/2008	6/24/2014
United States	Optimal stochastic auction for constrained sponsored search	US8051062B2	12/24/2008	11/1/2011
United States	Method and system for determining near duplicate images	US8213723B2	12/29/2008	7/3/2012
United States	Image segmentation	US8682072B2	12/30/2008	3/25/2014
United States	Slideshow video file detection	US8498978B2	12/30/2008	7/30/2013
United States	Augmenting online content with additional content relevant to user interest	US9152722B2	12/31/2008	10/6/2015
United States	Secure browser-based applications	US8635701B2	1/7/2009	1/21/2014
United States	Large-scale behavioral targeting for advertising over a network	US8150723B2	1/9/2009	4/3/2012
United States	Optimization of map views based on real-time data	US10209079B2	1/13/2009	2/19/2019

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Media object metadata engine configured to determine relationships between persons	US8831276B2	1/13/2009	9/9/2014
United States	Dynamic demand calculation using captured data of real life objects	US8260666B2	1/14/2009	9/4/2012
United States	Scalable semi-structured named entity detection	US8073877B2	1/20/2009	12/6/2011
United States	Web-hosted framework for mobile applications	US9083791B2	1/22/2009	7/14/2015
United States	Selection for a mobile device using weighted virtual titles	US7693907B1	1/27/2009	4/6/2010
United States	Network aggregator	US9894049B2	10/16/2014	2/13/2018
United States	Network aggregator	US8869256B2	1/23/2009	10/21/2014
United States	Systems and methods for calculating a just-in-time reputation score	US8266159B2	1/30/2009	9/11/2012
United States	System and method for community search	US10275530B2	2/2/2009	4/30/2019
United States	Protecting privacy of shared personal information	US8364969B2	2/2/2009	1/29/2013
United States	Automated search	US9002840B2	6/3/2013	4/7/2015
United States	Automated search	US8458177B2	2/2/2009	6/4/2013
United States	Protecting privacy of shared personal information	US8752196B2	1/4/2013	6/10/2014
United States	Rare query expansion by web feature matching	US8676827B2	2/4/2009	3/18/2014
United States	Intent driven search result rich abstracts	US7958109B2	2/6/2009	6/7/2011
United States	Predicting the outcome of events based on related internet activity	US8209277B2	2/9/2009	6/26/2012
United States	Categorizing queries and expanding keywords with a coreference graph	US8041729B2	2/20/2009	10/18/2011
United States	Method and system for quantifying user interactions with web advertisements	US8612362B2	2/20/2009	8/19/2014
United States	Algorithmically generated topic pages with interactive advertisements	US8700630B2	2/24/2009	4/15/2014
United States	Edge attribute aggregation in a directed graph	US8095560B2	2/26/2009	1/10/2012
United States	Smart recovery of asynchronous processing	US7984330B2	2/27/2009	7/19/2011
United States	Automatic page layout validation	US8340408B2	2/27/2009	12/25/2012
United States	System and method for composite record keys ordered in a flat key space for a distributed database	US8027961B2	2/27/2009	9/27/2011
United States	Optimized search result columns on search results pages	US8019746B2	3/2/2009	1/13/2011
United States	Method and system for web searching	US9934315B2	10/24/2016	4/3/2018
United States	Optimized search result columns on search results pages	US8306966B2	8/9/2011	11/6/2012
United States	Personalized search results utilizing previously navigated web sites	US9477763B2	3/2/2009	10/25/2016

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Apparatus and methods for operator training in information extraction	US8412652B2	3/4/2009	4/2/2012
United States	Bid gateway architecture for an online advertisement bidding system	US8135626B2	3/5/2009	3/13/2012
United States	Diversifying recommendation results through explanation	US8359280B2	3/12/2009	1/22/2013
United States	Context based networking	US8700648B2	3/16/2009	4/15/2014
United States	Sponsored search results re-ranking based on linking associations	US8429157B2	10/5/2011	4/23/2013
United States	Sponsored search results re-ranking based on linking associations	US8041715B2	3/24/2009	10/18/2011
United States	Computer based location identification using images	US9020529B2	7/8/2013	4/28/2015
United States	Computer based location identification using images	US8483715B2	3/26/2009	7/9/2013
United States	System and method for conducting a profile based search	US9519748B2	3/31/2009	12/13/2016
United States	Determining user preference of items based on user ratings and user features	US8201624B2	3/31/2009	10/30/2012
United States	Determining user preference of items based on user ratings and user features	US8909626B2	10/25/2012	12/9/2014
United States	Automated screen scraping via grammar induction	US8838625B2	4/3/2009	9/16/2014
United States	Method of manufacturing a wiring board	US8286341B2	4/8/2009	10/16/2012
United States	Constructing a data pipeline having scalability and low latency	US9723089B2	4/14/2009	8/1/2017
United States	Subject-based vitality	US10282373B2	4/17/2009	5/7/2019
United States	Cold row encapsulation for server farm cooling system	US10117362B2	11/24/2015	10/30/2018
United States	Cold row encapsulation for server farm cooling system	US9021285B2	4/21/2009	2/19/2019
United States	Personalized web search rankings	US8032335B2	4/21/2009	10/4/2011
United States	Interacting with internet servers without keyboard	US8613047B2	4/21/2009	12/17/2013
United States	Cold row encapsulation for server farm cooling system	US7800900B1	4/21/2009	9/21/2010
United States	Cold row encapsulation for server farm cooling system	US9204577B2	5/27/2014	12/1/2015
United States	Cold row encapsulation for server farm cooling system	US8755182B2	9/26/2011	6/17/2014
United States	Cold row encapsulation for server farm cooling system	US8054625B2	4/21/2009	11/8/2011
United States	Best fit map searching	US8060510B2	4/29/2009	11/15/2011
United States	A Computerized System And Method For Dynamically Determining A Replacement Item For A Provided Item Via A Web-based Application	US12434575	5/1/2009	
United States	COMPUTERIZED SYSTEM AND METHOD FOR PROVIDING AN AUTOMATICALLY UPDATABLE WEB-BASED APPLICATION INTERFACE	US12434580	5/1/2009	

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Content summary and segment creation	US8386935B2	5/6/2009	2/26/2013
United States	Circuit module and method of manufacturing the same	US9107324B2	4/1/2014	8/11/2015
United States	Circuit module and method of manufacturing the same	US8699233B2	5/11/2009	4/15/2014
United States	Circuit module and method of manufacturing the same	US9324647B2	8/10/2015	4/26/2016
United States	Circuit module and method of manufacturing the same	US9883587B2	3/30/2016	1/30/2018
United States	Systems and methods for generating a web page based on search term popularity data	US8965869B2	5/15/2009	2/24/2015
United States	Computerized system and method for displaying a map system user interface and digital content	US10282752B2	5/15/2009	5/7/2019
United States	Open theme builder and API	US8392928B2	5/20/2009	3/5/2013
United States	Collection and use of fine-grained user behavior data	US9013404B1	5/26/2009	11/20/2018
United States	System for packaging native program extensions together with virtual machine applications	US8607224B2	5/28/2009	12/10/2013
United States	Open search assist	US8825691B2	6/3/2009	9/2/2014
United States	Graph-based seed selection algorithm for web crawlers	US8484180B2	6/3/2009	7/9/2013
United States	All-in-one Chinese character input method	US9104244B2	6/5/2009	8/11/2015
United States	System and method for offline data generation for online system analysis	US8321873B2	6/9/2009	11/27/2012
United States	System and method for development of search success metrics	US8024336B2	6/9/2009	9/20/2011
United States	Media identification system with fingerprint database balanced according to search loads	US8743068B2	6/11/2009	4/29/2014
United States	Media identification system with fingerprint database balanced according to search loads	US9292514B2	4/24/2014	3/22/2016
United States	User location dependent DNS lookup	US8060579B2	6/12/2009	11/15/2011
United States	Dynamic access control lists	US9270679B2	6/23/2009	2/23/2016
United States	Operating a sensor recording marketplace	US10296937B2	6/29/2009	5/21/2019
United States	Entropy-based mixing and personalization	US8533202B2	7/7/2009	9/10/2013
United States	Entropy-based mixing and personalization	US9015170B2	9/6/2013	11/21/2015
United States	Activity based users' interests modeling for determining content relevance	US8612435B2	7/16/2009	12/17/2013
United States	Efficient algorithm for pairwise preference learning	US8280829B2	7/16/2009	10/2/2012

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Multi-chip package and manufacturing method	US86659134B2	7/21/2009	2/25/2011
United States	Presenting search results based on user-customizable criteria	US8744978B2	7/21/2009	6/3/2014
United States	Customizing and storing web pages for mobile on web	US7627648B1	7/23/2009	12/1/2009
United States	Mining knowledge sources with auto learning for improved entity extraction	US8499008B2	7/24/2009	7/30/2013
United States	Concurrent traversal of multiple binary trees	US8078642B1	7/24/2009	12/13/2011
United States	Supplementing a trained model using incremental data in making item recommendations	US8762318B2	9/14/2012	6/24/2014
United States	Image similarity from disparate sources	US9384214B2	7/31/2009	7/5/2016
United States	Supplementing a trained model using incremental data in making item recommendations	US8326777B2	7/31/2009	12/4/2012
United States	System and method for intent-driven search result presentation	US8341157B2	7/31/2009	12/25/2012
United States	Information similarity and related statistical techniques for use in distributed computing environments	US8914316B2	8/3/2009	12/16/2014
United States	Taxonomy-driven lumping for sequence mining	US8346686B2	8/3/2009	1/1/2013
United States	Malicious advertisement management	US8607338B2	8/4/2009	12/10/2013
United States	System and method for verified monetization of commercial campaigns	US10223701B2	8/6/2009	3/5/2019
United States	System for personalized term expansion and recommendation	US8370286B2	8/6/2009	2/5/2013
United States	Automatic classification of segmented portions of web pages	US9514216B2	9/8/2014	12/6/2016
United States	Segment sensitive query matching	US9465872B2	8/10/2009	10/11/2016
United States	Automatic classification of segmented portions of web pages	US8849725B2	8/10/2009	9/30/2014
United States	Live action icons for the internet	US8683384B2	8/11/2009	3/25/2014
United States	Personal data platform	US8914342B2	8/12/2009	12/16/2014
United States	System and method for precaching information on a mobile device	US8364611B2	8/13/2009	1/29/2013
United States	Push pull caching for social network information	US9137329B2	1/17/2014	9/15/2015
United States	Platform for delivery of heavy content to a user	US9098856B2	8/17/2009	8/4/2015
United States	Push pull caching for social network information	US8655842B2	8/17/2009	2/18/2014
United States	Hyperlinking web content	US8365064B2	8/19/2009	1/29/2013
United States	Circuit board structure comprising an electrical component and a method for manufacturing a circuit board structure comprising an electrical component	US8631566B2	8/24/2009	1/21/2014

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method for efficient storage node replacement	US8055615B2	8/25/2009	11/8/2014
United States	System and method for finding top N pairs in a map-reduce setup	US8788499B2	8/27/2009	7/27/2014
United States	Above the Fold	US12550339	8/28/2009	
United States	Matching reviews to objects using a language model	US8180755B2	9/4/2009	5/15/2012
United States	Synchronization of advertisement display updates with user revisitation rates	US8775945B2	9/4/2009	7/8/2014
United States	Monetization of interactive network-based information objects	US9760922B2	9/10/2009	9/12/2017
United States	Systems and methods for providing advanced search result page content	US8452762B2	9/20/2009	5/28/2013
United States	Systems and methods for personalized search sourcing	US8645359B2	4/28/2010	2/4/2014
United States	Systems and methods for providing advanced search result page content	US8388454B2	9/20/2009	2/26/2013
United States	Systems and methods for providing advanced search result page content	US8386645B2	9/20/2009	2/26/2013
United States	Semantic and text matching techniques for network search	US8112436B2	9/21/2009	2/7/2012
United States	System and method for cross domain learning for data augmentation	US8332334B2	9/24/2009	12/11/2012
United States	Acquisition of out-of-vocabulary translations by dynamically learning extraction rules	US8670974B2	9/25/2009	3/11/2014
United States	Apparatus and methods for user generated translation	US9053202B2	9/25/2009	6/9/2015
United States	Network graph evolution rule generation	US8204904B2	9/30/2009	6/19/2012
United States	Network graph evolution rule generation	US9489448B2	12/23/2013	11/8/2016
United States	Network graph evolution rule generation	US8676840B2	6/6/2012	3/18/2014
United States	System and method for slow advertisement detection	US8856827B2	10/7/2009	10/7/2014
United States	Method and system for form-filling crawl and associating rich keywords	US8793239B2	10/8/2009	7/29/2014
United States	Methods and systems relating to ranking functions for multiple domains	US10019518B2	10/9/2009	7/10/2018
United States	Posting list intersection parallelism in query processing	US8838576B2	10/12/2009	9/16/2014
United States	Tutorial systems for code creation and provenance tracking	US8635584B2	10/13/2009	1/21/2014
United States	Incorporating recency in network search using machine learning	US8886641B2	10/15/2009	11/11/2014
United States	Method and system for completing an edit area of a web page	US9690769B2	10/16/2009	6/27/2017
United States	Replacing an audio portion	US8239199B2	10/16/2009	8/7/2012
United States	Pairwise ranking-based classifier	US8271408B2	10/22/2009	9/18/2012
United States	Index-based technique friendly CTR prediction and advertisement selection	US8380570B2	10/27/2009	2/19/2013

DOC ID - 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and methods for enabling arbitrary developer code consumption of web-based data	US8407238B2	4/29/2010	3/26/2013
United States	System and methods for enabling arbitrary developer code consumption of web-based data	US9442978B2	2/5/2013	9/13/2016
United States	System and methods for enabling arbitrary developer code consumption of web-based data	US9916355B2	8/10/2016	3/13/2018
United States	Translation model and method for matching reviews to objects	US8972436B2	10/28/2009	3/3/2015
United States	Developer interface and associated methods for system for querying and consuming web-based data	US8621376B2	10/28/2009	12/31/2013
United States	System and methods for web data transformation sourcing	US8521754B2	1/28/2010	8/27/2013
United States	Predicting item-item affinities based on item features by regression	US8442929B2	11/5/2009	5/14/2013
United States	System and method for generating an image sprite	US8706661B2	11/10/2009	4/22/2014
United States	Voluntary admission control for traffic yield management	US8174974B2	11/12/2009	5/8/2012
United States	Media identification system for efficient matching of media items having common content	US9110928B2	11/4/2013	8/18/2015
United States	Media identification system for efficient matching of media items having common content	US8594392B2	11/18/2009	11/26/2013
United States	System for integrating content from external corpora into primary search engine results	US8150874B2	11/30/2009	4/3/2012
United States	System and method for automatically handling up topic-specific messaging identities	US9129263B2	12/1/2009	9/8/2015
United States	System and method for a task management library to execute map-reduce applications in a map-reduce framework	US9619241B2	12/20/2009	4/11/2017
United States	Opinion aggregation system	US9141966B2	12/23/2009	9/22/2015
United States	Search suggestion clustering and presentation	US8631004B2	12/28/2009	1/14/2014
United States	Client-side ad caching for lower ad serving latency	US9027100B2	1/5/2010	5/5/2015
United States	Techniques for categorizing web pages	US8768926B2	1/5/2010	7/1/2014
United States	System and method for optimizing search results ranking through collaborative gaming	US8612424B2	2/14/2012	12/17/2013
United States	System and method for optimizing search results ranking through collaborative gaming	US8140518B2	1/8/2010	3/26/2012
United States	Apparatus and methods for classifying senders of unsolicited bulk emails	US9710759B2	1/12/2010	7/18/2017

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Methods and apparatuses for clustering electronic documents based on structural features and static content features	US8832102B2	1/12/2010	9/9/2014
United States	Locality-sensitive search suggestions	US9734251B2	1/12/2010	9/15/2017
United States	Search engine recency using content preview	US9864804B2	10/7/2016	1/9/2018
United States	Search engine recency using content preview	US9465879B2	1/14/2010	10/11/2016
United States	System and method for finding unexpected, but relevant content in an information retrieval system	US8204878B2	1/15/2010	6/19/2012
United States	Self-targeting local Ad system	US9015595B2	1/20/2010	4/21/2015
United States	Image content based advertisement system	US10043193A2	1/20/2010	8/7/2018
United States	Motion enabled multi-frame challenge-response test	US8893854B2	1/27/2010	11/18/2014
United States	Sensitivity categorization of web pages	US8589231B2	1/28/2010	11/19/2013
United States	Producing optimization graphs in online advertising systems	US8896604B2	1/29/2010	11/25/2014
United States	Integrated saved search results	US8356051B2	5/22/2012	1/15/2013
United States	Integrated saved search results	US8209349B2	2/1/2010	6/26/2012
United States	System and method for targeting users for content delivery	US9135643B2	2/3/2010	9/15/2015
United States	System and method for backend advertisement conversion	US8689136B2	2/3/2010	4/1/2014
United States	Smart widgets	US9009152B2	2/4/2010	4/14/2015
United States	System and method for exploring new sponsored search listings of uncertain quality	US9558506B2	2/4/2010	1/31/2017
United States	Automatic super-resolution transformation for images	US8406571B2	2/4/2010	3/26/2013
United States	System and method for discovering story trends in real time from user generated content	US9235635B2	4/3/2013	1/12/2016
United States	System and method for discovering story trends in real time from user generated content	US8429170B2	2/5/2010	4/23/2013
United States	Targeting online ads by grouping and mapping user properties	US8423558B2	2/5/2010	4/16/2013
United States	Electronic module with EMI protection	US10010019B2	2/16/2015	6/26/2018
United States	Small table: multitenancy for lots of small tables on a cloud database	US8214355B2	2/9/2010	7/3/2012
United States	System and method for financial analysis and brand index in brand valuation	US8538842B2	2/9/2010	9/17/2013
United States	System and method for presenting geolocated relevance-based content	US8417683B2	2/16/2010	4/9/2013

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for determining an authority rank for real time searching	US9953083B2	2/16/2010	4/24/2018
United States	Extraction of video fingerprints and identification of multimedia using video fingerprinting	US8934545B2	2/16/2010	7/13/2015
United States	System and method for rewarding a user for sharing activity information with a third party	US8612891B2	2/16/2010	12/17/2013
United States	System and method for using topic messages to understand media relating to an event	US8396874B2	2/16/2010	3/12/2013
United States	Automated user behavior feedback system for whole page search success optimization	US8832101B2	2/18/2010	9/9/2014
United States	Media event structure and content identification using short messages	US9084895B2	2/22/2010	7/14/2015
United States	Media event structure and context identification using short messages	US91710454B2	5/29/2015	7/18/2017
United States	Enhanced find-in-page functions in a web browser	US9043320B2	2/22/2010	5/26/2015
United States	Bootstrapping text classifiers by language adaptation	US8521507B2	2/22/2010	8/27/2013
United States	Composition model for cloud-hosted serving applications	US9229980B2	2/23/2010	1/5/2016
United States	Systems and methods for finding keyword relationships using wisdoms from multiple sources	US8214348B2	2/25/2010	7/3/2012
United States	System and method for automatic matching of contracts using a fixed-length predicate representation	US8229933B2	2/26/2010	7/24/2012
United States	Mechanism for supporting user content feeds	US8554944B2	3/16/2012	10/8/2013
United States	Mechanism for supporting user content feeds	US8556240B2	3/1/2010	4/10/2012
United States	Intelligent feature expansion for online text ads	US8788349B2	3/4/2010	7/22/2014
United States	System, method and computer program product for managing caches	US10275347B2	3/8/2010	4/30/2019
United States	User specific feed recommendations	US9747374B2	7/31/2014	8/29/2017
United States	Generating a user profile based on self disclosed public status information	US10074094B2	3/11/2010	9/11/2018
United States	User specific feed recommendations	US8832099B2	3/9/2010	9/9/2014
United States	Distributed publish/subscribe system	US8489674B2	3/11/2010	7/16/2013
United States	Methods, systems, and/or apparatuses for use in searching for information using computer platforms	US8560536B2	3/11/2010	10/15/2013
United States	Method and system for determining similarity score	US8620930B2	3/11/2010	12/31/2015

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Maximum likelihood estimation under a covariance constraint for predictive modeling	US8275656B2	3/11/2010	9/25/2012
United States	Generation of content creation requests for a content distribution system	US8965965B2	3/12/2010	7/24/2015
United States	Targeting content creation requests to content contributors	US8386308B2	3/12/2010	2/26/2013
United States	Emotional Web	US8888497B2	3/12/2010	11/18/2014
United States	Emotional mapping	US8442849B2	3/12/2010	5/14/2013
United States	System and method for determining authority ranking for contemporaneous content	US8666990B2	3/15/2010	3/4/2014
United States	Session based click features for recency ranking	US8326845B2	3/16/2010	12/4/2012
United States	Session based click features for recency ranking	US8225390B2	3/16/2010	8/28/2012
United States	Impression-trend techniques for providing a display advertising supply forecast	US8554621B2	3/17/2010	10/8/2013
United States	Customer state-based targeting	US1036056B2	3/18/2010	7/23/2019
United States	Encoding and accessing position data	US9507827B1	6/30/2011	11/29/2016
United States	Ranking of search results based on microblog data	US8751511B2	3/30/2010	6/10/2014
United States	Clickable terms for contextual advertising	US8533043B2	3/31/2010	9/10/2013
United States	Fast networked based advertisement selection	US8903736B2	4/5/2010	12/2/2014
United States	Click probability with missing features in sponsored search	US8229786B2	4/6/2010	7/24/2012
United States	Method and system for performing bi-directional search	US101498519B2	4/25/2016	2/5/2019
United States	Method and system for actions suggestion using browser history	US8863009B2	4/7/2010	10/14/2014
United States	Method and system for topical browser history	US9135354B2	4/7/2010	9/15/2015
United States	Modeling and scheduling asynchronous incremental workflows	US8949834B2	4/7/2010	2/3/2015
United States	Large scale concept discovery for webpage augmentation using search engine indexes	US8886623B2	4/7/2010	11/11/2014
United States	Method and system for topic-based browsing	US10083248B2	4/7/2010	9/25/2018
United States	Method and system for performing bi-directional search	US9323843B2	4/7/2010	4/26/2016
United States	Method and system for determining relevant text in a web page	US9996614B2	4/7/2010	6/12/2018
United States	Method and system for socializing events	US9659276B2	4/9/2010	5/23/2017
United States	System and method for selecting search results facets	US9152702B2	4/9/2010	10/6/2015

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Incorporating geographical locations in a search process	US8903837B2	4/13/2010	12/2/2014
United States	Using external sources for sponsored search AD selection	US9129300B2	4/21/2010	9/8/2015
United States	Selectively adding social dimension to web searches	US8880520B2	4/21/2010	11/4/2014
United States	Large-scale entity-specific resource classification	US9317613B2	4/21/2010	4/19/2016
United States	Online sending threshold and delivery policy adjustment	US9754266B2	4/21/2010	9/5/2017
United States	Integrated adaptive URL-shortening functionality	US9411900B2	8/26/2012	8/9/2016
United States	Integrated adaptive URL-shortening functionality	US8281232B2	4/22/2010	10/2/2012
United States	Finding predictive cross-category search queries for behavioral targeting	US9990641B2	4/23/2010	6/5/2018
United States	Methods for web site analysis	US8751622B2	4/29/2010	6/10/2014
United States	Efficient failure detection for long running data transfer jobs	US8276022B2	4/30/2010	9/25/2012
United States	Bid landscape tool	US10255608B2	5/5/2010	4/9/2019
United States	Efficient lexical trending topic detection over streams of data using a modified sequitur algorithm	US8838599B2	5/14/2010	9/16/2014
United States	Search results summarized with tokens	US10216831B2	5/19/2010	2/26/2019
United States	Method and system for providing driving directions	US9146123B2	5/19/2010	9/29/2015
United States	Manufacturing method and electronic module with new routing possibilities	US9301394B2	5/19/2010	3/29/2016
United States	System and method for online handwriting recognition in web queries	US8930360B2	5/28/2010	1/6/2015
United States	Research mission identification	US8768861B2	5/31/2010	7/1/2014
United States	System and method for indexing food providers and use of the index in search engines	US8903800B2	6/2/2010	12/2/2014
United States	Method and system for performing a web search via a client-side module	US9152712B2	6/30/2010	10/6/2015
United States	Method and system for performing a web search	US9619562B2	6/30/2010	4/11/2017
United States	Annotating HTML segments with functional labels	US9594730B2	7/1/2010	3/14/2017
United States	Rule based, proactive web browsing	US8744990B2	7/9/2010	6/3/2014
United States	Clustering of search results	US9443008B2	7/14/2010	9/13/2016
United States	Value maximizing recommendation systems	US8583502B2	7/16/2010	11/22/2013
United States	Using linear and log-linear model combinations for estimating probabilities of events	US8484077B2	9/29/2010	7/9/2015

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Estimating probabilities of events in sponsored search using adaptive models	US8392343B2	7/21/2010	3/5/2012
United States	Electronic module with embedded jumper conductor	US8735735B2	7/23/2010	5/27/2014
United States	Electronic module with vertical connector between conductor patterns	US8238113B2	7/23/2010	8/7/2012
United States	Integrated link statistics within an application	US8386915B2	7/26/2010	2/26/2013
United States	Deducing shakedown user profiles for ad campaigns	US8543518B2	7/26/2010	9/24/2013
United States	System and method for television search assistant	US9477746B2	11/20/2012	10/25/2016
United States	System and method for television search assistant	US8250077B2	7/28/2010	8/21/2012
United States	Method or system to predict media content preferences	US9137574B2	7/28/2010	9/15/2015
United States	Ranking entity facets using user-click feedback	US9266532B2	7/30/2010	2/16/2016
United States	Socializing via search	US9633113B2	8/6/2010	4/25/2017
United States	Contextual advertising with user features	US9031863B2	8/19/2010	5/12/2015
United States	Method and system for providing contents based on past queries	US8442987B2	8/19/2010	5/14/2013
United States	Automatically constructing titles	US8504567B2	8/23/2010	8/6/2013
United States	Adaptive targeting for finding look-alike users	US9087332B2	8/30/2010	7/21/2015
United States	Multi-step challenge-response test	US8528054B2	8/31/2010	9/3/2013
United States	Content preview generation	US9520156B2	8/31/2010	12/13/2016
United States	Method for controlling warpage within electronic products and an electronic product	US9420694B2	8/31/2010	8/16/2016
United States	Quick applications for search	US8615540B2	9/1/2010	12/24/2013
United States	System and method for monetizing user-generated web content	US8423409B2	9/2/2010	4/16/2013
United States	Building content in Q and A sites by auto-posting of questions extracted from web search logs	US8452747B2	9/7/2010	5/28/2013
United States	Social network based user-initiated review and purchase related information and advertising	US8458160B2	9/8/2010	6/4/2013
United States	Scoring users of network based users	US8712843B2	9/8/2010	4/29/2014
United States	System and method for obtaining user information	US8843817B2	9/14/2010	9/23/2014
United States	Determining whether to provide an advertisement to a user of a social network	US8478697B2	9/15/2010	7/26/2013
United States	Search assist powered by session analysis	US8255414B2	9/15/2010	8/28/2012

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for generating search URLs	US9092537B2	9/15/2010	7/28/2018
United States	Determining whether to provide an advertisement to a user of a social network	US9805391B2	5/29/2013	10/21/2017
United States	Measuring inline ad performance for third-party ad serving	US9536249B2	9/29/2010	1/3/2017
United States	Training a search query intent classifier using wiki article titles and a search click log	US9465864B2	9/29/2010	10/11/2016
United States	Determining placement of advertisements on web pages	US8566160B2	9/30/2010	10/22/2013
United States	System and method for controlling a networked display	US9160819B2	2/11/2015	10/13/2015
United States	System and method for controlling a networked display	US8990702B2	9/30/2010	3/24/2015
United States	Contextual quick-picks	US9779468B2	10/4/2010	10/3/2017
United States	Network resource-specific search assistance	US90423672B2	10/4/2010	9/24/2019
United States	Contextual quick-picks	US10303732B2	7/14/2017	5/28/2019
United States	Method and system for processing and learning rules for extracting information from incoming web pages	US9280528B2	10/4/2010	3/8/2016
United States	Time managed challenge-response test	US8955044B2	10/4/2010	2/10/2015
United States	Media or content tagging determined by user credibility signals	US9529822B2	10/5/2010	12/27/2016
United States	Multisided audience-related hybrid measurements	US8819292B2	9/3/2013	8/26/2014
United States	Multisided audience-related hybrid measurements	US8549103B2	10/7/2010	10/1/2013
United States	Mouse gesture assisted search	US8930390B2	10/8/2010	1/6/2015
United States	Topic-oriented diversified item recommendation	US8588378B2	10/11/2010	11/19/2013
United States	System for training classifiers in multiple categories through active learning	US8498950B2	10/15/2010	7/30/2013
United States	Matching items of user-generated content to entities	US8412771B2	10/21/2010	4/2/2013
United States	Securing expandable display advertisements in a display advertising environment	US9443257B2	10/21/2010	9/13/2016
United States	User-based data delivery	US9633354B2	10/27/2010	4/25/2017
United States	Measuring the effects of social sharing on online content and advertising	US9324093B2	10/28/2010	4/26/2016
United States	Consumer group buying through online ads	US10282744B2	10/29/2010	5/7/2019
United States	Profile prediction for shared computers	US9536000B2	10/29/2010	1/3/2017
United States	Extracting rich temporal context for business entities and events	US8606564B2	11/1/2010	12/10/2013

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Mobile-based real-time food-and-beverage recommendation system	US8429027B2	11/8/2010	4/23/2018
United States	Methods and systems for pathing analysis	US9471696B2	11/12/2010	10/28/2016
United States	Methods and systems for pathing analysis	US9940399B2	9/30/2016	4/10/2018
United States	Online advertising with enhanced publisher involvement	US9911135B2	11/15/2010	3/6/2018
United States	Combination creative advertisement targeting system	US8510653B2	11/15/2010	8/13/2013
United States	Bootstrapping recommender system and method	US8510248B2	11/18/2010	8/13/2013
United States	Detecting controversial events	US9105008B2	11/29/2010	8/11/2015
United States	Using clicked slate driven click-through rate estimates in sponsored search	US8364525B2	11/30/2010	1/29/2013
United States	Method and system for discovering dynamic relations among entities	US9528895B2	10/29/2014	12/27/2016
United States	Systems and methods for list ranking and ads placement using interaction features	US8620744B2	12/30/2010	12/31/2013
United States	Systems and methods for list ranking and ads placement using interaction features	US9189804B2	11/26/2013	11/17/2015
United States	Clustering with similarity-adjusted entropy	US8266149B2	12/10/2010	9/11/2012
United States	System and method for booking an advertisement to an impression using a targeting dimension dictionary	US9928523B2	12/10/2010	3/27/2018
United States	Cross-market model adaptation with pairwise preference data	US8489590B2	12/13/2010	7/16/2013
United States	Caching web documents in two or more caches	US8849775B2	12/15/2010	9/30/2014
United States	Integrated and comprehensive advertising campaign management and optimization	US9204930B2	12/16/2010	2/27/2018
United States	Image object retrieval based on aggregation of visual annotations	US8527564B2	12/16/2010	9/3/2013
United States	Display entity relationship	US9043360B2	12/17/2010	5/26/2015
United States	Use of personalized points of reference in selecting advertisements shown to users	US9972029B2	12/17/2010	5/15/2018
United States	Method and system for generating web pages for topics unassociated with a dominant URL	US8799260B2	12/17/2010	8/5/2014
United States	Selection and/or modification of a portion of online content based on an emotional state of a user	US10380647B2	10/28/2016	8/13/2019
United States	Automatic classification of display ads using ad images and landing pages	US8732014B2	12/20/2010	5/20/2014
United States	Selection and/or modification of an ad based on an emotional state of a user	US9514481B2	12/20/2010	12/6/2016

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Blending advertiser data with ad network data in order to serve finely targeted ads	US9536250B2	12/20/2010	1/3/2017
United States	Classification recommendation based on social actions	US8521679B2	12/20/2010	9/27/2013
United States	Scalable push-based architecture for web applications	US9137288B2	12/20/2010	9/15/2015
United States	Techniques for improving relevance of social updates distributed offline	US9213981B2	12/20/2010	12/15/2015
United States	Time-triggered advertisement replacement	US10026103B2	11/18/2014	7/17/2018
United States	Time-triggered advertisement replacement	US8918331B2	12/21/2010	12/23/2014
United States	Method and system for anonymous measurement of online advertisement using offline sales	US8935177B2	12/22/2010	1/13/2015
United States	Locating a user based on aggregated tweet content associated with a location	US9172866B2	6/10/2013	10/27/2015
United States	Location-aware adaptive event reminder	US9311628B2	12/22/2010	4/12/2016
United States	Locating a user based on aggregated tweet content associated with a location	US8478701B2	12/22/2010	7/2/2013
United States	System and method for reducing mineral buildup on drift eliminators of a cooling tower	US8678359B2	12/23/2010	3/25/2014
United States	Systems and methods for providing search assistance technologies based on user self-efficacy and search frustration	US8903845B2	12/23/2010	12/2/2014
United States	Serving reliable content through search	US8601017B2	12/23/2010	12/3/2013
United States	System and method for reducing mineral buildup on drift eliminators of a cooling tower	US9039809B2	2/7/2014	5/26/2015
United States	Signal-driven interactive television	US9185458B2	12/23/2010	11/10/2015
United States	Method and system to identify geographical locations associated with queries received at a search engine	US9384289B2	12/23/2010	7/5/2016
United States	System and method for recommending queries related to trending topics based on a received query	US8990241B2	12/23/2010	3/24/2015
United States	System and method for reducing mineral buildup on drift eliminators of a cooling tower	US9038928B2	2/9/2014	5/26/2015
United States	Selecting advertisements for placement on related web pages	US8620745B2	12/27/2010	12/31/2013
United States	Method and system to utilize session queries in real time to improve geo precision of sponsored listings	US10192239B2	9/12/2016	1/24/2019
United States	Variation of minimum advertisement relevance quality threshold based on search query attributes	US10275782B2	12/28/2010	4/30/2019

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Continuous content refinement of topics of user interest	US9996620B2	12/28/2010	6/12/2018
United States	Method and system to utilize session queries in real time to improve geo precision of sponsored listings	US9443026B2	12/28/2010	9/13/2016
United States	System and method for providing contextual actions on a search results page	US9015140B2	12/30/2010	4/21/2015
United States	Mining global email folders for identifying auto-folder tags	US8463827B2	1/4/2011	6/11/2013
United States	Inventory allocation for advertising with changeable supply landscape	US8856028B2	1/24/2011	10/7/2014
United States	Systems and methods for scoring internet ads and ranking vendors	US10169777B2	6/3/2013	1/1/2019
United States	Method and system for predicting performance of software applications on prospective hardware architecture	US9208053B2	7/17/2014	12/8/2015
United States	Method and system for predicting performance of software applications on prospective hardware architecture	US8918787B2	1/31/2011	8/26/2014
United States	Techniques including URL recognition and applications	US8358843B2	1/31/2011	1/22/2013
United States	Techniques including URL recognition and applications	US9652680B2	5/22/2015	5/16/2017
United States	Techniques including URL recognition and applications	US9070038B2	12/18/2012	6/30/2015
United States	Techniques including URL recognition and applications	US9946949B2	4/12/2017	4/17/2018
United States	Method and system for data provenance management in multi-layer systems	US8819064B2	2/7/2011	8/26/2014
United States	Audio fingerprint extraction by scaling in time and resampling	US9093120B2	2/10/2011	7/28/2015
United States	Non-textual security using portraits	US9075981B2	2/15/2011	7/7/2015
United States	Optimizing server resources using multiple retry for high traffic websites	US9009453B2	2/16/2011	4/14/2015
United States	Display of content interaction data in a browser	US8510379B2	2/23/2011	8/13/2013
United States	System for processing complex queries	US8977640B2	2/28/2011	3/10/2015
United States	Aggregated contextual targeting advertisements using instant messaging clients	US8671022B2	2/2/2011	3/11/2014
United States	Search assistant system and method	US9892426B2	11/14/2016	2/13/2018
United States	Search assistant system and method	US9495461B2	3/22/2011	11/15/2016
United States	Method and system for concept summarization	US9870376B2	4/1/2011	1/16/2018
United States	System and method for mining tags using social endorsement networks	US9607267B2	12/20/2013	3/28/2017
United States	System and method for mining tags using social endorsement networks	US8666927B2	4/19/2011	3/4/2014
United States	Collaborative electronic books	US8589804B2	4/22/2011	11/19/2013

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Embedding calendar knowledge in event-driven inventory forecasting	US86620720B2	4/28/2011	12/31/2013
United States	System and method for analyzing dynamic performance of complex applications	US8856767B2	4/29/2011	10/7/2014
United States	System and method for contextualizing query instructions using user's recent search history	US8930338B2	5/17/2011	1/6/2015
United States	Method to increase content relevance using insights obtained from user activity updates	US8838564B2	5/19/2011	9/16/2014
United States	Determination and monetization of future location	US9947014B2	7/1/2011	4/17/2018
United States	Inventory estimation for search retargeting	US8880423B2	7/1/2011	11/4/2014
United States	Methods and systems for group targeting for advertisable calendar entries	US9852404B2	7/1/2011	12/26/2017
United States	Method and system for improving relevance of web content	US8909633B2	7/1/2011	12/9/2014
United States	Methods and systems for grabbing video viewers' attention while awaiting download	US8832729B2	7/5/2011	9/9/2014
United States	Combining segments of users into vertically indexed super-segments	US8566156B2	7/5/2011	10/22/2013
United States	High performance personalized advertisement serving by exploiting thread assignments in a multiple core computing environment	US8571924B2	7/5/2011	10/29/2013
United States	Method for summarizing event-related texts to answer search queries	US9020865B2	2/21/2014	4/28/2015
United States	Method for summarizing event-related texts to answer search queries	US8666916B2	7/7/2011	3/4/2014
United States	Real time e-commerce user interface for monitoring and interacting with consumers	US9984338B2	9/7/2011	5/29/2018
United States	Dynamically altered search assistance	US8918308B2	7/13/2011	12/23/2014
United States	Automatic profiling of social media users	US10127522B2	7/14/2011	11/13/2018
United States	System for monitoring a video	US9804690B2	12/9/2015	10/31/2017
United States	System for monitoring a video	US9214135B2	7/8/2011	12/15/2015
United States	Method and system for building an elastic cloud web server farm	US8954568B2	7/21/2011	2/10/2015
United States	Method and system for building an elastic cloud web server farm	US8699250B2	1/12/2015	7/4/2017
United States	Method and system for fast similarity computation in high dimensional space	US8515964B2	7/25/2011	8/20/2013
United States	System and method for web knowledge extraction	US8918357B2	7/26/2011	12/23/2014
United States	Method and system for automatically identifying optimal meeting locations	US9558457B2	7/26/2011	1/31/2017

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	System and method for optimizing window display	US9342208B2	7/27/2011	5/17/2018
United States	Method and system for distributed application stack deployment	US8756595B2	7/28/2011	6/17/2014
United States	Disaggregation to isolate users for ad targeting	US9646327B2	8/9/2011	5/9/2017
United States	Multi-step captcha with serial time-consuming decryption of puzzles	US8522327B2	8/10/2011	8/27/2013
United States	System and method for generation of a dynamic social page	US8914382B2	10/3/2011	12/16/2014
United States	System for custom user-generated achievement badges based on activity feeds	US9208470B2	10/4/2011	12/8/2015
United States	Method, device, and server for transmitting and responding to a location declaration	US8880099B2	10/12/2011	11/4/2014
United States	Embedding non-blocking help components in a display page using discovery drawer feature cues	US9811850B2	10/12/2011	11/7/2017
United States	Methods and systems for targeting user initiated social events	US10248959B2	10/14/2011	4/2/2019
United States	Method and system for resolving data inconsistency	US8849776B2	10/17/2011	9/30/2014
United States	Method and system for work load balancing	US8661136B2	10/17/2011	2/25/2014
United States	Method and system for dynamic control of a multi-tier processing system	US9378058B2	2/25/2013	6/28/2016
United States	Dynamically updating emoticon pool based on user targeting	US9870552B2	10/19/2011	1/16/2018
United States	Method of tracking offline user interaction in a rendered document on a mobile device	US8825749B2	10/21/2011	9/2/2014
United States	Aggregating data from multiple devices belonging to one user for directed ad targeting	US9600834B2	10/26/2011	3/21/2017
United States	Lock-free transactional support for large-scale storage systems	US9946745B2	3/19/2015	4/17/2018
United States	Lock-free transactional support for large-scale storage systems	US8990177B2	10/27/2011	3/24/2015
United States	Advertising campaigns utilizing streaming analytics	US9754279B2	10/27/2011	9/5/2017
United States	Methods and systems for facilitating caching of advertisements	US9767465B2	10/28/2011	9/19/2017
United States	Assisted searching	US8983996B2	10/31/2011	3/17/2015
United States	Social sharing and influence graph system and method	US10134046B2	11/9/2011	11/20/2018
United States	Live advertisement preview display and distribution	US9679306B2	11/11/2011	8/13/2017
United States	Providing advertisements in an augmented reality environment	US9536251B2	11/15/2011	1/3/2017
United States	System and method for extracting, collecting, enriching and ranking of email objects	US9043413B2	11/15/2011	5/26/2015

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Premium instant messaging space	US9805388B2	11/16/2011	10/31/2017
United States	Related news articles	US8713028B2	11/17/2011	4/29/2014
United States	Method or system for spilling in query environments	US8356050B1	11/21/2011	1/15/2013
United States	Automatically arranging of icons on a user interface	US8930839B2	11/22/2011	1/6/2015
United States	Fast maneuvering and high-speed data attachments for message services	US8601079B2	11/29/2011	12/3/2013
United States	Results returned to list-seeking queries	US8832057B2	12/2/2011	9/9/2014
United States	System and method of matching content items and consumers	US8660975B2	12/7/2011	2/25/2014
United States	Image object retrieval	US9870517B2	12/8/2011	1/16/2018
United States	Method and system for deploying multiple distributed application stacks on a target machine	US9268589B2	12/9/2011	2/23/2016
United States	Understanding and addressing complex information needs	US9990246B2	12/15/2011	3/24/2015
United States	Interactive interface for object search	US8775336B2	12/19/2011	7/8/2014
United States	Quote-based search	US8868558B2	12/19/2011	10/21/2014
United States	Inserting a search box into a mobile terminal dialog messaging protocol	US10230672B2	4/17/2015	3/12/2019
United States	Inserting a search box into a mobile terminal dialog messaging protocol	US9052792B2	5/9/2012	6/9/2015
United States	User behavior-driven background cache refreshing	US8898133B2	12/20/2011	11/25/2014
United States	SMS-initiated mobile registration	US9210557B2	12/20/2011	12/8/2015
United States	Server-side modification of messages during a mobile terminal message exchange	US9600807B2	6/6/2012	3/21/2017
United States	Location aware commenting widget for creation and consumption of relevant comments	US9158851B2	12/20/2011	10/13/2015
United States	Linking newsworthy events to published content	US8880390B2	12/20/2011	11/4/2014
United States	Method and system for distributed application stack test certification	US9612812B2	12/21/2011	4/4/2017
United States	System and method for automatic presentation of content-related data with content presentation	US8719285B2	12/22/2011	5/6/2014
United States	Method and system for generating query-related suggestions	US9858313B2	12/22/2011	1/2/2018
United States	Methods and systems for ad placement planning	US9135632B2	12/28/2011	9/15/2015
United States	Ecosystem for manually marked searchable feeds on publisher sites	US8965876B2	1/18/2012	2/24/2015
United States	System for collecting customer feedback in real-time	US10089636B2	1/20/2012	10/2/2018

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Probe system for replication monitoring	US8447730B1	1/31/2012	5/21/2012
United States	Probe system for replication monitoring	US8886603B2	4/17/2013	11/21/2014
United States	Automatic face annotation of images contained in media content	US8676814B2	2/16/2012	3/18/2014
United States	System for tracking diffusion	US10103952B2	4/7/2017	10/16/2018
United States	System for tracking diffusion	US9100436B2	2/13/2015	8/4/2015
United States	System for tracking diffusion	US9100286B2	2/15/2015	8/4/2015
United States	System for tracking diffusion	US9634913B2	6/25/2015	4/25/2017
United States	System for tracking diffusion	US8990341B2	2/29/2012	3/24/2015
United States	Flexible tier data center	US9696728B2	3/8/2012	7/4/2017
United States	Publish-subscribe platform for cloud file distribution	US9185300B2	3/13/2012	11/1/2016
United States	Method and system for edge server cache	US9607097B2	3/26/2012	3/28/2017
United States	Systems and methods to suggest travel itineraries based on users' current location	US8818715B2	3/29/2012	8/26/2014
United States	Finding engaging media with initialized explore-exploit	US8923621B2	3/29/2012	12/30/2014
United States	Development of platform independent applications	US9235398B2	4/2/2012	1/12/2016
United States	Cross-screen advertising campaign sequencing	US9202232B2	4/2/2012	12/1/2015
United States	Development and hosting for platform independent applications	US9946526B2	4/2/2012	4/17/2018
United States	Development of platform independent applications	US9158520B2	7/17/2012	10/13/2015
United States	Deployment and hosting of platform independent applications	US9568546B2	12/28/2012	2/23/2016
United States	Deployment and hosting of platform independent applications	US9197729B2	12/19/2012	11/24/2015
United States	Method and system for content search	US8862610B2	4/13/2012	10/14/2014
United States	Method and system of dynamic routing of aggregated online media streams	US10225590B2	4/16/2012	3/5/2019
United States	Method and system for providing a predefined content to a user	US8924799B2	4/16/2012	12/30/2014
United States	Method and system for updating a background picture of a web search results page for different search queries	US9519661B2	4/17/2012	12/13/2016
United States	Method and system for providing contextual information during video buffering	US9888280B2	4/17/2012	1/6/2018
United States	Dynamic webpage image	US9971740B2	3/22/2016	5/15/2018
United States	Dynamic webpage image	US9317623B2	4/20/2012	4/19/2016

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Instant search results with page previews	US9378283B2	4/23/2012	6/28/2018
United States	Snapshot refreshment for search results page preview	US9529926B2	4/23/2012	12/29/2016
United States	Snapshot generation for search results page preview	US9218419B2	4/23/2012	12/22/2015
United States	Method and system for distributed machine learning	US9633315B2	4/27/2012	4/25/2017
United States	User modeling for personalized generalized content recommendations	US9996530B2	4/27/2012	3/31/2015
United States	Avatars for use with personalized generalized content recommendations	US9785883B2	4/27/2012	10/10/2017
United States	Continuous content identification of broadcast content	US10275578B2	7/10/2017	4/30/2019
United States	Pricing engine revenue evaluation	US8612274B2	4/30/2012	12/17/2013
United States	Continuous content identification of broadcast content	US9703922B2	4/30/2012	7/11/2017
United States	Method and system for automatic detection of eavesdropping of an account based on identifiers and conditions	US8909280B2	5/2/2012	10/21/2014
United States	Methods and systems for personalizing user experience based on attitude prediction	US9092757B2	5/9/2012	7/28/2015
United States	Method and system for automatic assignment of identifiers to a graph of entities	US9223861B2	5/10/2012	12/29/2015
United States	Method and system for realtime de-duplication of objects in an entity-relationship graph	US9031943B2	5/14/2012	5/12/2015
United States	Media recommendation using internet media stream modeling	US9582767B2	5/16/2012	2/28/2017
United States	Context relevant interactive television	US9866915B2	5/18/2012	1/9/2018
United States	Method and system for email sequence identification	US856249B2	5/24/2012	10/7/2014
United States	Automatic tag extraction from audio annotated photos	US8768693B2	5/31/2012	7/1/2014
United States	Personalized content from indexed archives	US9965129B2	6/1/2012	5/8/2018
United States	Creating a content index using data on user actions	US9792285B2	6/1/2012	10/17/2017
United States	System and method for discovering photograph hotspots	US8996305B2	6/7/2012	3/31/2015
United States	Method and system for mining trends around trending terms	US10275525B2	6/14/2012	4/30/2019
United States	Method and system for displaying comments associated with a query	US9177066B2	6/14/2012	11/3/2015
United States	System and method for providing sponsored applications in email	US9111291B2	6/19/2012	8/18/2015
United States	Method and system for detecting users' emotions when experiencing a media program	US9251406B2	6/20/2012	2/29/2016
United States	Index replication in distributed search engines	US9460226B2	6/28/2012	10/4/2016

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for recommending websites	US9147000B2	6/29/2012	9/29/2018
United States	Techniques for organizing and presenting deal content	US9384502B2	6/29/2012	7/5/2016
United States	Method or system for semantic categorization	US9305103B2	7/3/2012	4/5/2016
United States	Peer-to-peer architecture for web traffic management	US10057341B2	3/17/2017	8/21/2018
United States	Peer-to-peer architecture for web traffic management	US9621648B2	8/3/2012	4/11/2017
United States	Peer-to-peer architecture for web traffic management	US9100362B2	7/6/2012	8/4/2015
United States	Method and system for visualizing patterns during internet browsing	US9696896B2	7/8/2012	7/4/2017
United States	Response completion in social media	US9380009B2	7/12/2012	6/28/2016
United States	System and method for automatically determining an optimal power cap value	US9015504B2	7/13/2012	4/21/2015
United States	Inventory contribution rules for inventory management	US9858582B2	7/30/2012	1/2/2018
United States	System and method for identifying abusive account registration	US8862524B2	8/1/2012	10/14/2014
United States	System and method for identifying abusive account registration	US9838403B2	8/4/2014	12/5/2017
United States	Methods and systems for determining the effect of a host on network latency while delivering online ADS	US8667133B2	8/2/2012	3/4/2014
United States	Methods and systems for recommending social network connections	US9117250B2	8/30/2012	8/25/2015
United States	Method and system for reducing network latency	US9363240B2	8/30/2012	6/7/2016
United States	Social content suggestions based on connections	US9367878B2	9/7/2012	6/14/2016
United States	Generating an individualized web page template with entries of a web page publisher organization associated with areas of the template	US9558175B2	9/13/2012	1/31/2017
United States	Multimode distribution systems and methods for providing power from power sources to power-consuming devices	US9728960B2	8/28/2015	8/8/2017
United States	Multimode distribution systems and methods for providing power from power sources to power-consuming devices	US9136707B2	10/9/2012	9/15/2015
United States	Method and system for customizing a web site	US9268859B2	10/9/2012	2/23/2016
United States	Display of location-related promotional message with search query results	US9311655B2	10/12/2012	4/12/2016
United States	Methods and systems for package management	US9292299B2	10/16/2012	1/22/2016
United States	Hybrid applications	US8887182B2	10/16/2012	11/11/2014
United States	Visible personalization	US8903778B2	10/17/2012	12/2/2014
United States	Writing data from hadoop to off grid storage	US9268716B2	10/19/2012	2/23/2016

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Ranking products using purchase day based time windows	US8880518B2	10/26/2012	11/4/2014
United States	Systems and methods for implementing bid adjustments in an online advertisement exchange	US10217118B2	10/30/2012	2/26/2019
United States	User displays using N-way paginated merge of information from diverse sources	US9465881B2	10/31/2012	10/11/2016
United States	Method and system for improved language identification using language tags	US9971759B2	2/13/2017	5/15/2018
United States	Method and system for improved language identification using language tags	US9569421B2	10/31/2012	2/14/2017
United States	Social web browsing	US9836178B2	11/3/2012	12/5/2017
United States	Method and system for remote analyzing static video content in real time	US10149000B2	5/11/2016	12/4/2018
United States	Method and system for remote altering static video content in real time	US9369766B2	11/6/2012	6/14/2016
United States	Navigation bridge	US9135589B2	11/6/2012	9/15/2015
United States	Method and system for work load balancing	US9104497B2	11/7/2012	8/11/2015
United States	Method and system for providing tokenless secure login by visual cryptography	US9984225B2	11/15/2012	5/29/2018
United States	Methods and apparatuses for document processing and distributed processing nodes	US9330181B2	11/26/2012	5/3/2016
United States	Feature rich view of an entity subgraph	US9754015B2	11/26/2012	9/5/2017
United States	Systems and methods involving features of search and/or search integration	US10387503B2	12/17/2012	8/20/2019
United States	Systems and methods involving search enhancement features associated with media modules	US10303933B2	6/12/2013	5/28/2019
United States	Identity workflow that utilizes multiple storage engines to support various lifecycles	US9367624B2	12/21/2012	6/14/2016
United States	Type-ahead search optimization	US8965909B2	12/24/2012	2/24/2015
United States	User behavior models based on source domain	US9405746B2	12/28/2012	8/2/2016
United States	Systems and methods relating to design of mobile applications for display ads on a larger screen space	US9411435B2	1/7/2013	8/9/2016
United States	Systems and methods relating to design of mobile applications for display ads on a larger screen space	US9594438B2	7/7/2016	3/14/2017
United States	Systems and methods relating to design of mobile applications for display ads on larger screen space	US9753554B2	1/25/2017	9/5/2017

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Systems and methods relating to ad/content targeting for map route options based on personalization and user data	US10077988B2	1/8/2013	9/18/2018
United States	System and method for applying an efficient data compression scheme to URL parameters	US9087070B2	1/31/2013	7/21/2015
United States	System and method for applying an efficient data compression scheme to URL parameters	US9727574B2	7/9/2015	8/8/2017
United States	Finger expressions for touch screens	US9760278B2	3/4/2013	9/12/2017
United States	Video analysis system	US9749710B2	3/1/2013	8/29/2017
United States	Iconized video advertisement wall	US10484755B2	2/27/2018	11/19/2019
United States	Video advertisement wall	US9369758B2	12/3/2013	6/14/2016
United States	Iconized video advertisement wall	US9850425B2	4/30/2016	3/27/2018
United States	Automatically fitting a wearable object	US10089680B2	3/12/2013	10/2/2018
United States	Online advertisement push delivery	US10311474B2	3/15/2013	6/4/2019
United States	Online digital content real-time update	US10296948B2	3/15/2013	5/21/2019
United States	Activity initiated virtual machine migration	US10176010B2	8/7/2017	1/8/2019
United States	Activity initiated virtual machine migration	US9760389B2	3/15/2013	9/12/2017
United States	Forming regions characterized by labeled measurements	US9058666B2	3/15/2013	6/16/2015
United States	Social media based content selection system	US9424319B2	3/15/2013	8/23/2016
United States	Efficient and fault-tolerant distributed algorithm for learning latent factor models through matrix factorization	US9535938B2	3/15/2013	1/3/2017
United States	Jabba language	US9311088B2	3/15/2013	4/12/2016
United States	Identifying regions characterized by labeled measurements	US9589322B2	11/30/2015	3/7/2017
United States	Identifying regions characterized by labeled measurements	US9235890B2	3/15/2013	1/12/2016
United States	Method and system for mapping short term ranking optimization objective to long term engagement	US9171000B2	3/5/2013	10/27/2015
United States	Method and system for efficient matching of user profiles with audience segments	US9706008B2	3/15/2013	7/11/2017
United States	Method and system for data-triggered dynamic log level control	US9342438B2	3/15/2013	4/17/2016
United States	Almost online large scale collaborative filtering based recommendation system	US9348924B2	3/15/2013	5/24/2016

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for user profiling via mapping third party interests to a universal interest space	US9430572B2	3/15/2013	8/30/2018
United States	Display time of a web page	US9355078B2	3/15/2013	5/31/2016
United States	Machine for recognizing or generating Jabba-type sequences	US9262555B2	3/15/2013	2/16/2016
United States	Method and system for discovery of user unknown interests based on supplemental content	US9270767B2	3/15/2013	2/23/2016
United States	Jabba-type contextual tagger	US9530094B2	3/15/2013	12/27/2016
United States	Jabba-type override for correcting or improving output of a model	US9195940B2	3/15/2013	11/24/2015
United States	Detecting prohibited data use in auction-based online advertising	US10198743B2	4/9/2013	2/5/2019
United States	Efficient database searching	US10275403B2	10/20/2016	4/30/2019
United States	Efficient database searching	US9501526B2	4/17/2013	11/22/2016
United States	Online and offline collaboration associated with shopping and purchasing	US10108995B2	5/7/2013	10/23/2018
United States	Identifying communities within a social network based on information propagation data	US9342854B2	5/8/2013	5/17/2016
United States	Automating price guarantees	US10032185B2	5/10/2013	7/24/2018
United States	Method and system for displaying content related to a subject matter of a displayed media program	US9817911B2	5/10/2013	11/14/2017
United States	System and method for targeting user interests based on mobile call logs	US9582815B2	5/16/2013	2/28/2017
United States	System and method for targeting user interests based on mobile call logs	US9811843B2	1/31/2017	11/7/2017
United States	Dynamic modification of a parameter of an image based on user interest	US10282736B2	5/21/2013	5/7/2019
United States	Systems and methods for auto-adjust positioning of preferred content for increased click and conversion rates	US9298357B2	5/28/2013	3/29/2016
United States	Method and system for document update	US9268809B2	5/29/2013	2/23/2016
United States	Method and system for automatically pausing advertisements based on user attention	US10026104B2	11/5/2015	7/17/2018
United States	Method and system for automatically pausing advertisements based on user attention	US9189805B2	6/18/2013	11/17/2015
United States	Method and system for recording and replaying user sessions in browser based applications	US9047147B2	6/18/2013	6/1/2015
United States	Method and system for event state management in stream processing based applications	US9680893B2	6/19/2013	6/13/2017
United States	Motion-based human verification system and method	US9397841B2	6/26/2013	7/19/2016

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Quality scoring system for advertisements and content in an online system	US9460451B2	7/1/2013	10/4/2018
United States	Interactive sitemap with user footprints	US9727656B2	7/4/2013	9/8/2017
United States	Influence maximization with viral product design	US10546308B2	11/7/2016	1/28/2020
United States	Influence Maximization with viral product design	US9489699B2	7/10/2013	11/8/2016
United States	Personal trends module	US9158850B2	7/24/2013	10/13/2015
United States	Personal trends module	US9990436B2	10/12/2015	6/5/2018
United States	Multi-finger user identification	US9392093B2	7/25/2013	7/12/2016
United States	Method and apparatus for accurate localization of points of interest	US1003737B2	7/8/2016	7/31/2018
United States	Method and apparatus for accurate localization of points of interest using a world shape	US9884075B2	7/24/2014	1/30/2018
United States	Method and apparatus for accurate localization of points of interest	US9390104B2	7/30/2013	7/12/2016
United States	Methods and system for device authentication	US9332432B2	8/2/2013	5/3/2016
United States	Encoding pre-roll advertisements in progressively-loading images	US9066116B2	8/13/2013	6/23/2015
United States	Capture and retrieval of a personalized mood icon	US10289265B2	8/15/2013	5/14/2019
United States	Testing computer-implementable instructions	US9146842B2	8/15/2013	9/29/2015
United States	Enhancing network security	US9197607B2	8/15/2013	11/24/2015
United States	Method and system for recommending relevant web content to second screen application users	US9268861B2	8/19/2013	2/23/2016
United States	System and method for automatically suggesting diverse and personalized message completions	US10081908B2	10/12/2015	7/24/2018
United States	System and method for automatically suggesting diverse and personalized message completions	US9161188B2	8/22/2013	10/13/2015
United States	System and method for contextual social messaging	US9191788B2	8/22/2013	11/17/2015
United States	User-programmable channel store for video	US10055099B2	12/11/2013	8/21/2018
United States	Local recommendation engine	US9679062B2	9/18/2013	6/13/2017
United States	Automatic verification by comparing user interface images	US9135151B2	9/18/2013	9/15/2015
United States	Cache refreshing for online social newsfeeds	US9967354B2	9/26/2013	5/2/2018
United States	Method and system for controlling online user account using a mobile device	US10164981B2	6/19/2017	12/25/2018

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and system for controlling online user account using a mobile device	US9686271B2	9/27/2013	6/20/2017
United States	Secure physical authentication input with personal display or sound device	US9760696B2	9/27/2013	9/12/2017
United States	Keyword price recommendation	US9911140B2	10/1/2013	3/6/2018
United States	Revenue share analysis	US9779422B2	10/1/2013	10/3/2017
United States	Alternate screen reveal for instant privacy	US10007810B2	10/5/2013	6/26/2018
United States	Cross device information exchange using gestures and locations	US10136289B2	3/17/2017	11/20/2018
United States	Cross device information exchange using gestures and locations	US9426605B2	10/10/2013	8/23/2016
United States	Cross device information exchange using gestures and locations	US9602057B2	8/22/2016	3/21/2017
United States	Masterless cache replication	US9602615B2	10/23/2013	3/21/2017
United States	Systems and methods for generating a define graph	US9652875B2	10/28/2013	5/16/2017
United States	Dynamic database indexes for entity attribute value stores	US10061789B2	10/28/2013	8/28/2018
United States	Recommendation of television content	US9635401B2	10/31/2013	4/25/2017
United States	Cross-platform interface for a television device	US9479832B2	10/31/2013	10/25/2016
United States	Cross-platform interface for a television device	US9654839B2	10/17/2016	5/16/2017
United States	Audio-visual interaction with user devices	US10275022B2	7/24/2018	4/30/2019
United States	Online marketplace to facilitate the distribution of marketing services from a marketer to an online merchant	US10026113B2	11/12/2013	7/17/2018
United States	Audio-visual interaction with user devices	US10048748B2	11/12/2013	8/14/2018
United States	User engagement-based contextually-dependent automated pricing for non-guaranteed delivery	US10134054B2	11/19/2013	11/20/2018
United States	Method or system for access to shared resource	US10203995B2	11/22/2013	2/12/2019
United States	Blur aware photo feedback	US9210327B2	12/2/2013	12/8/2015
United States	Contextual based search suggestion	US9971837B2	12/16/2013	5/15/2018
United States	Method and system for iterative pipeline	US10326824B2	12/17/2013	6/18/2019
United States	Query suggestions	US9672288B2	12/30/2013	6/6/2017
United States	Low key point of interest notification	US9392414B2	12/31/2013	7/18/2016
United States	Method and system for a scheduled map executor	US9986018B2	1/9/2014	5/29/2018
United States	Recursive unique user metrics in real time	US9754035B2	2/7/2014	9/5/2017

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Localized selectable location and/or time for search queries and/or search query results	US9870425B2	2/27/2014	1/16/2018
United States	Method of queuing signals	US9608943B2	2/27/2014	3/28/2017
United States	3-dimensional augmented reality markers	US9721389B2	3/3/2014	8/1/2017
United States	System and method for email notification	US10033681B2	3/3/2014	7/24/2018
United States	Methods and systems for facilitating communications between providers of on-line services and potential customers	US9607309B2	3/4/2014	3/28/2017
United States	Atmospheric cooling of servers in a data center	US9668375B2	3/13/2014	5/30/2017
United States	System and method for enhanced accuracy cardinality estimation	US10055506B2	3/18/2014	8/21/2018
United States	Computation through array decomposition	US9460456B2	3/21/2014	10/4/2016
United States	Method and system for decomposing social relationships into domains of interactions	US90013480B2	3/26/2014	7/3/2018
United States	Secure information exchange between devices using location and unique codes	US9794614B2	12/31/2015	10/17/2017
United States	Secure information exchange between devices using location and unique codes	US9282358B2	4/8/2014	3/8/2016
United States	Xpath related and other techniques for use in native advertisement placement	US10140627B2	4/14/2014	11/27/2018
United States	Xpath related and other techniques for use in native advertisement placement	US10269048B2	12/30/2014	4/23/2019
United States	Content guided techniques for use in native advertisement placement	US10269034B2	4/14/2014	4/23/2019
United States	Frequent markup techniques for use in native advertisement placement	US9361655B2	4/14/2014	6/7/2016
United States	Frequent markup techniques for use in native advertisement placement	US9972034B2	3/23/2017	5/15/2018
United States	Frequent markup techniques for use in native advertisement placement	US9626699B2	5/23/2016	4/18/2017
United States	Opportunistic query solving search use cases	US9824149B2	4/23/2014	11/21/2017
United States	Method and system for entity recognition in a query	US9619558B2	4/29/2014	4/11/2017
United States	Method and system for providing query suggestions including entities	US9836554B2	4/30/2014	12/5/2017
United States	Modular search object framework	US9830388B2	4/30/2014	11/28/2017
United States	Method and system for evaluating query suggestions quality	US9600600B2	4/30/2014	3/29/2017
United States	Method and system for user selection of query suggestions	US9471570B2	4/30/2014	10/18/2016

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Intent based search results associated with a modular search object framework	US9535945B2	4/30/2014	1/3/2017
United States	Methods and systems for data traffic control and encryption	US10277559B2	5/21/2014	10/30/2019
United States	Synthetic question formulation	US9830556B2	5/21/2014	11/28/2017
United States	System and method for event triggered search results	US9754284B2	5/22/2014	9/5/2017
United States	Method and system for predicting future email	US10397152B2	5/30/2014	8/27/2019
United States	Systems and methods for advertising using sponsored verbs and contexts	US10152730B2	1/30/2017	12/11/2018
United States	Systems and methods for advertising using sponsored verbs and contexts	US9595048B2	5/30/2014	3/14/2017
United States	Determining traffic quality using event-based traffic scoring	US10115125B2	6/3/2014	10/30/2018
United States	Information matching and match validation	US9947060B2	6/3/2014	4/17/2018
United States	Entity generation using queries	US10289637B2	6/13/2014	5/14/2019
United States	System and method for address based locations	US9661066B2	6/18/2014	5/23/2017
United States	Personalizing query rewrites for ad matching	US10049132B2	6/26/2014	8/14/2018
United States	Recommended query formulation	US10223477B2	6/26/2017	3/5/2019
United States	Podcasts in personalized content streams	US9661100B2	6/30/2014	5/23/2017
United States	Recommended query formulation	US9690860B2	6/30/2014	6/27/2017
United States	Method and system for predicting search results quality in vertical ranking	US10146872B2	7/16/2014	12/4/2018
United States	System and method for calibrating bluetooth low energy signal strengths	US9385821B2	7/16/2014	7/5/2016
United States	System and method for detection of indoor tracking units	US9363644B2	8/19/2014	6/7/2016
United States	System and method for detection of indoor tracking units	US9813854B2	3/31/2016	11/7/2017
United States	Rainbow event drop detection system	US10162692B2	7/8/2014	12/25/2018
United States	Expressing statements in messages with personalized expression style	US10116600B2	8/14/2014	10/30/2018
United States	Content suggestions	US9922361B2	8/18/2014	3/20/2018
United States	Method and system for presenting content summary of search results	US9767198B2	8/25/2014	9/19/2017
United States	Emotionally relevant content	US10120946B2	2/17/2017	11/6/2018
United States	Emotionally relevant content	US9613033B2	8/29/2014	4/4/2017
United States	System and method for authentication across devices	US9843583B2	9/5/2014	12/12/2017

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Systems and methods for image optimization	US10157588B2	9/19/2014	12/18/2018
United States	Graphical interface presentation of search results	US10216844B2	9/26/2014	2/26/2019
United States	Advertisement opportunity bidding	US9886705B2	9/26/2014	2/6/2018
United States	Method and system for providing a synchronization service	US9754002B2	10/7/2014	9/5/2017
United States	Character input using modern remote control	US9684449B2	10/10/2014	6/20/2017
United States	Feature selection	US10235636B2	10/16/2014	3/19/2019
United States	Systems and methods for tracking brand reputation and market share	US10354273B2	11/5/2014	7/16/2019
United States	Geolocation safety awareness	US9942332B2	11/12/2014	4/10/2018
United States	Method for ranking social and search web traffic with virality scores	US10402409B2	12/10/2014	9/3/2019
United States	User authentication and data encryption	US10437970B2	10/22/2017	10/8/2019
United States	User authentication and data encryption	US9817956B2	12/12/2014	11/14/2017
United States	Method for fabrication of an electronic module and electronic module	US9999136B2	12/15/2014	6/12/2018
United States	Enhance search assist system's freshness by extracting phrases from news articles	US10242106B2	12/17/2014	3/26/2019
United States	Pacing control for online ad campaigns	US10068247B2	12/17/2014	9/4/2018
United States	Generating user recommendations	US9665663B2	12/17/2014	5/30/2017
United States	Method and system for providing a search result	US9805097B2	12/17/2014	10/31/2017
United States	Method and system for enhanced search term suggestion	US10073884B2	12/18/2014	9/11/2018
United States	Inferring user identity across multiple applications and user devices	US9536044B2	12/18/2014	4/3/2018
United States	Native advertisement smart injection	US9734519B2	12/29/2014	8/15/2017
United States	Method and system for entity linking	US10289957B2	12/30/2014	5/14/2019
United States	Method and system for enhanced query term suggestion	US10210243B2	8/23/2017	2/19/2019
United States	Contracting and/or de-contracting stored parameters	US10089318B2	12/30/2014	10/2/2018
United States	Method and/or system for walking route recommendation	US9803988B2	12/30/2014	10/31/2017
United States	Method and system for enhanced query term suggestion	US9767183B2	12/30/2014	9/19/2017
United States	Method and/or apparatus for generating signal processing pipelines	US10089081B2	12/31/2014	10/2/2018
United States	Location uncertainty in search	US9426626B2	12/31/2014	8/28/2016
United States	Location uncertainty in search	US9749796B2	7/18/2016	8/29/2017
United States	Providing interactivity options for television broadcast content	US9948997B2	2/25/2015	4/17/2018

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Secure service for receiving sensitive information through nested iframes	US9942244B2	12/15/2015	4/10/2018
United States	Secure service for receiving sensitive information through nested iframes	US9251372B1	7/8/2015	2/24/2016
United States	User interface for a computer display	USD586362S1	3/24/2008	2/10/2009
United States	User interface for a computer display	USD586361S1	3/24/2008	2/10/2009
United States	Computer generated three-dimensional sphere and projection lines to adjacent image for a portion of a display screen	USD598029S1	11/29/2007	8/11/2009
United States	Graphical user interface for a display screen	USD624088S1	12/26/2007	9/21/2010
United States	Display panel for a programmed computer system with a graphical user interface	USD677268S1	9/21/2011	3/5/2013
United States	Display panel for a programmed computer system with a graphical user interface	USD678313S1	9/21/2011	3/19/2013

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	SAINT LAWRENCE COMMUNICATIONS, LLC PERCEPTUAL WEIGHTING DEVICE AND METHOD FOR EFFICIENT CODING OF WIDEBAND SIGNALS	6807524	2001-06-20	2004-10-19
United States	METHOD AND DEVICE FOR ADAPTIVE BANDWIDTH PITCH SEARCH IN CODING WIDEBAND SIGNALS	7260521	1999-10-27	2007-08-21
United States	METHOD AND DEVICE FOR ADAPTIVE BANDWIDTH PITCH SEARCH IN CODING WIDEBAND SIGNALS	7672837	2006-08-04	2010-03-02
United States	METHOD AND DEVICE FOR ADAPTIVE BANDWIDTH PITCH SEARCH IN CODING WIDEBAND SIGNALS	8036885	2009-11-17	2011-10-11
United States	PERIODICITY ENHANCEMENT IN DECODING WIDEBAND SIGNALS	6795805	2001-07-23	2004-09-21
United States	HIGH FREQUENCY CONTENT RECOVERING METHOD AND DEVICE FOR OVER-SAMPLED SYNTHESIZED WIDEBAND SIGNAL	7151892	2001-07-23	2006-12-19
United States	GAIN-SMOOTHING IN WIDEBAND SPEECH AND AUDIO SIGNAL DECODER	7191123	2000-11-17	2007-03-13
United States	INDEXING PULSE POSITIONS AND SIGNS IN ALGEBRAIC CODEBOOKS FOR CODING OF WIDEBAND SIGNALS	7280959	2003-04-30	2007-10-09
United States	A METHOD AND DEVICE FOR FREQUENCY-SELECTIVE PITCH ENHANCEMENT OF SYNTHESIZED SPEECH	7529660	2004-11-23	2009-05-05
United States	A METHOD AND DEVICE FOR MULTI-RATE LATTICE VECTOR QUANTIZATION OF A SIGNAL	7106228	2005-06-06	2006-09-12
United States	METHODS AND DEVICES FOR LOW-FREQUENCY EMPHASIS DURING AUDIO COMPRESSION BASED ON ACELP/TCX	7979271	2005-02-18	2011-07-12
United States	METHODS AND DEVICES FOR SWITCHING BETWEEN SOUND SIGNAL CODING MODES AT A CODER AND FOR PRODUCING TARGET SIGNALS AT A DECODER	7933709	2007-02-15	2011-04-26

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	STINGRAY/IP SOLUTIONS, LLC A SYSTEM AND METHOD OF INCREASING THE MESSAGE THROUGHPUT IN A RADIO NETWORK	US6826152B1	9/13/2000	11/20/2004
United States	BROADCAST METHOD IN CHANNEL RESERVATION SYSTEMS AND APPARATUS	US6349210B1	11/3/2000	2/19/2002
United States	METHOD AND APPARATUS FOR COORDINATING CHANNEL ACCESS TO SHARED PARALLEL DATA CHANNELS	US6404756B1	11/3/2000	6/11/2002
United States	Method and apparatus for controlling communication links between network nodes to reduce communication protocol overhead traffic	US6349091B1	11/7/2000	2/19/2002
United States	Method and apparatus for communication network cluster formation and transmission of node link status messages with reduced protocol overhead traffic	US6980537B1	11/13/2000	12/27/2005
United States	Secure wireless LAN device and associated methods	US7440572B2	1/16/2001	10/21/2008
United States	Method and apparatus for on demand multicast and unicast using controlled flood multicast communications	US7184421B1	12/21/2001	2/27/2007
United States	Method and device for establishing communication links between mobile communication systems	US6904032B2	1/10/2002	6/7/2005
United States	Method and device for establishing communication links and handling unbalanced traffic loads in a communication system	US7304972B2	10/25/2002	12/4/2007
United States	Method and device for establishing communication links and detecting interference between mobile nodes in a communication system	US6901064B2	10/25/2002	5/31/2005
United States	Method and device for establishing communication links and handling SP slot connection collisions in a communication system	US6758761B2	10/25/2002	9/28/2004
United States	Method and device for establishing communication links with parallel scheduling operation in a communication system	US6804208B2	10/25/2002	10/12/2004
United States	Wireless communication system with enhanced time slot allocation and interference avoidance/mitigation features and related methods	US6958986B2	9/27/2003	10/25/2005
United States	WIRELESS COMMUNICATION NETWORK INCLUDING DATA PRIORITYIZATION AND PACKET RECEPTION ERROR DETERMINATION FEATURES AND RELATED METHODS	US6982987B2	3/27/2003	1/3/2006
United States	Method and device for establishing communication links and for estimating overall quality of a directional link and reporting to QLSR in a communication system	US7027409B2	3/27/2003	4/11/2006

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Wireless communication network including directional and omni-directional communication links and related methods	US7333458B2	3/27/2003	2/19/2008
United States	Methods and apparatus for synchronously combining signals from plural transmitters	US7218682B2	2/12/2002	5/15/2007
United States	Hierarchical mobile ad-hoc network and methods for performing reactive routing therein using ad-hoc on-demand distance vector routing (AODV)	US6718394B2	4/29/2002	4/6/2004
United States	Admission control in a mobile ad hoc network	US7007102B2	4/29/2002	2/28/2006
United States	Traffic policing in a mobile ad hoc network	US7068600B2	4/29/2002	6/27/2006
United States	Hierarchical mobile ad-hoc network and methods for performing reactive routing therein using dynamic source routing (DSR)	US6870845B2	4/29/2002	3/22/2005
United States	Determining quality of service (QoS) routing for mobile ad hoc networks	US6954435B2	4/29/2002	10/11/2005
United States	Hierarchical mobile ad-hoc network and methods for performing reactive routing therein	US7281057B2	4/29/2002	10/9/2007
United States	Hierarchical mobile ad-hoc network and methods for route error recovery therein	US6628620B1	4/29/2002	9/30/2003
United States	Allocating channels in a mobile ad hoc network	US7616961B2	4/29/2002	11/10/2009
United States	Temporal transition network protocol (TTNP) in a mobile ad hoc network	US6754192B2	4/29/2002	6/22/2004
United States	Tracking traffic in a mobile ad hoc network	US8578015B2	4/29/2002	11/5/2013
United States	Mobile ad-hoc network and methods for performing functions therein based upon weighted quality of service metrics	US7764617B2	6/19/2002	7/27/2010
United States	METHOD AND APPARATUS FOR SECURELY ENABLING A RADIO COMMUNICATION UNIT FROM STANDBY MODE	US7050755B2	7/11/2002	5/23/2006
United States	Mobile ad-hoc network including node authentication features and related methods	US7581095B2	7/17/2002	8/25/2009
United States	Multi-channel mobile ad hoc network	US7027426B2	8/5/2002	4/11/2006
United States	Monitoring link quality in a mobile ad hoc network	US6894985B2	8/5/2002	5/17/2005
United States	Multiple path reactive routing in a mobile ad hoc network	US6961310B2	8/8/2002	11/1/2005
United States	Wireless local or metropolitan area network with intrusion detection features and related methods	US7224678B2	8/12/2002	5/29/2007
United States	Mobile ad-hoc network with intrusion detection features and related methods	US6986161B2	8/12/2002	1/10/2006

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Mobile ad-hoc network with intrusion detection features and related methods	US7082117B2	8/12/2002	7/25/2008
United States	Wireless local or metropolitan area network with intrusion detection features and related methods	US7327690B2	8/12/2002	7/5/2008
United States	Intelligent communication node object beacon framework in a mobile ad hoc network	US6975614B2	9/4/2002	12/13/2005
United States	Intelligent communication node object beacon framework including neighbor discovery in a mobile ad hoc network	US6763013B2	9/4/2002	7/13/2004
United States	Intelligent communication node object beacon framework (ICBF) with temporal transition network protocol (TTNP) in a mobile ad hoc network	US6763014B2	9/24/2002	7/13/2004
United States	Removable cryptographic ignition key system and method	US7761804B2	9/30/2002	7/20/2010
United States	System and method for highly accurate real time tracking and location in three dimensions	US6833381B2	10/7/2002	12/21/2004
United States	GPS enabled emergency messaging system	US7650136B2	2/2/2007	1/19/2010
United States	A GPS ENABLED EMERGENCY MESSAGING SYSTEM	US7184744B1	10/10/2002	2/27/2007
United States	System and method for link-state based proxy flooding of messages in a network	US7242671B2	12/11/2002	7/10/2007
United States	Mobile ad-hoc network (MANET) including forward error correction (FEC), interleaving, and multi-route communication features and related methods	US7216282B2	2/19/2003	5/8/2007
United States	Predictive route maintenance in a mobile ad hoc network	US7453864B2	4/30/2003	11/18/2008
United States	Predictive routing including the use of fuzzy logic in a mobile ad hoc network	US7295938B2	4/30/2003	11/20/2007
United States	PREDICTIVE ROUTING IN A MOBILE AD-HOC NETWORK	US7382765B2	4/30/2003	6/3/2008
United States	Mobile ad hoc network (MANET) providing quality-of-service (QoS) based unicast and multicast features	US7394826B2	9/9/2003	7/1/2008
United States	Load leveling in mobile ad-hoc networks to support end-to-end delay reduction, QoS and energy leveling	US7142866B2	9/9/2003	11/28/2006
United States	Mobile ad hoc network (MANET) providing interference reduction features and related methods	US7068605B2	9/9/2003	6/27/2006
United States	Mobile ad hoc network (MANET) with quality-of-service (QoS) protocol hierarchy and related methods	US7079552B2	9/9/2003	7/18/2006
United States	Mobile ad hoc network (MANET) providing connectivity enhancement features and related methods	US7085290B2	9/9/2003	8/1/2006

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Method and apparatus for dynamic voice reservation within wireless networks	US7103371B1	10/22/2003	9/5/2006
United States	PREDICTIVE MOBILE AD HOC NETWORKING INCLUDING ASSOCIATED SYSTEM AND METHODS	US8717940B2	8/24/2012	5/6/2014
United States	Mobile ad-hoc network providing expedited conglomerated broadcast message relay features and related methods	US7468954B2	12/14/2004	12/23/2008
United States	METHOD AND APPARATUS FOR DYNAMIC NEIGHBOR DISCOVERY WITHIN WIRELESS NETWORKS USING TIME DIVISION MULTIPLE ACCESS (TDMA)	US7502360B2	3/4/2005	3/10/2009
United States	Mobile ad-hoc network (MANET) and method for implementing multiple paths for fault tolerance	US7742399B2	6/22/2006	6/22/2010
United States	TDMA CHANNEL ACCESS SCHEDULING WITH NEIGHBOR INDIRECT ACKNOWLEDGEMENT ALGORITHM (MIA) FOR ADHOC NETWORKS	US7768928B2	7/6/2006	8/3/2010
United States	System and method for communicating using a plurality of TDMA mesh networks having efficient bandwidth use	US7773575B2	7/24/2006	8/10/2010
United States	System and method for setting a data rate in tdma communications	US8095788B2	7/24/2006	11/15/2011
United States	Method and Apparatus for TimeOfDay Synchronization Between Nodes	US7710944B1	9/15/2006	5/4/2010
United States	Method and System for Efficient Net Formation and Routing Database Maintenance in a Mobile Adhoc Network	US7787450B1	10/11/2006	8/31/2010
United States	Multilayered configurable data fusion systems and methods for power and bandwidth efficient sensor networks	US9461846B2	11/7/2006	10/4/2016
United States	Systems and methods for automatic proactive pattern recognition at a control center database	US7656288B2	11/7/2006	2/2/2010
United States	Multipurpose unattended ground sensor node with relay capability	US8154598B2	11/14/2006	4/10/2012
United States	Data-path dynamic link maintenance in mobile ad hoc networks	US8654627B2	1/3/2007	2/18/2014
United States	System and method for communicating in a time division multiple access (TDMA) mesh network having minimized end-to-end latency	US7894416B2	1/8/2007	2/22/2011
United States	SYSTEM AND METHOD FOR COMMUNICATING OVER MESH NETWORKS USING WAVEFORM ENHANCED LINK STATE ROUTING	US8213409B2	2/20/2007	7/3/2012
United States	SYSTEM AND METHOD FOR COMMUNICATING OVER MESH NETWORKS USING WAVEFORM ENHANCED LINK STATE ROUTING	US8488589B2	5/30/2012	7/16/2013
United States	Nearly collision-free channel access system and method	US7729321B2	2/21/2007	6/1/2010
United States	Synchronization and timing source priority in an ad-hoc network	US7729336B2	3/28/2007	6/1/2010

DOC ID : 341210722

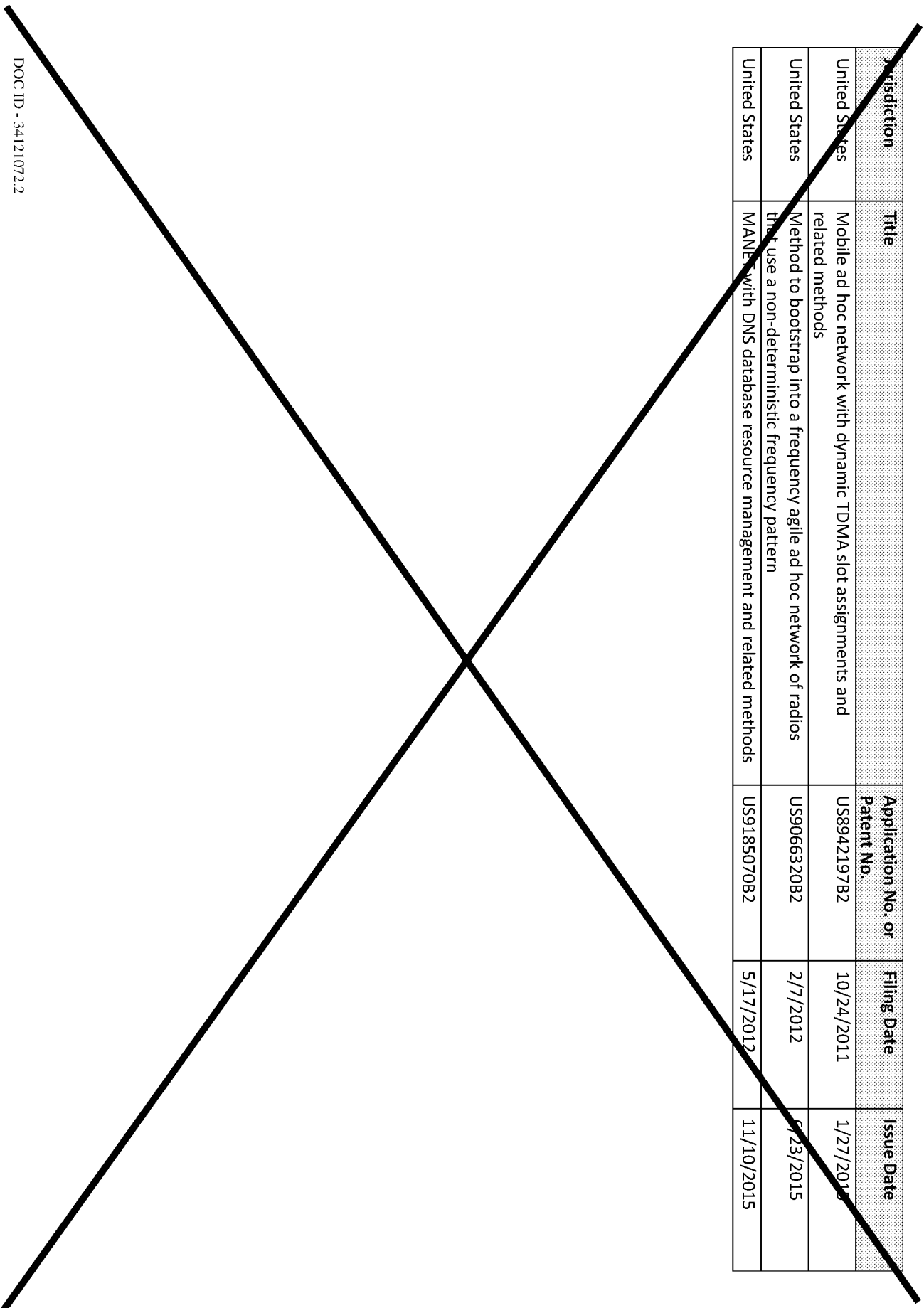
US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	TDMA mobile ad-hoc network (MANET) with second order timing and tracking	US7974402B2	3/28/2007	7/5/2011
United States	Cluster head election in an ad-hoc network	US8134950B2	4/3/2007	3/13/2012
United States	Remable broadcast protocol and apparatus for sensor networks	US7916666B2	4/3/2007	3/29/2011
United States	Ad-hoc network routing protocol including the use of forward and reverse multipoint relay (MPR) spanning tree routes	US7561024B2	4/5/2007	7/14/2009
United States	TDMA communications system with configuration beacon and associated method	US8885630B2	6/14/2007	11/11/2014
United States	Adaptive power and data rate control for ad-hoc mobile wireless systems	US7983230B1	7/11/2007	7/19/2011
United States	Long range scheduling for directional antenna manet networks	US7858997B2	8/1/2007	12/21/2010
United States	Mobile ad-hoc network providing desired link delay offset without guard times and related methods	US8155093B2	5/22/2008	4/10/2012
United States	Mobile ad-hoc network providing communication latency reduction features and related methods	US8537789B2	5/22/2008	9/17/2013
United States	Asynchronous dynamic network discovery for low power systems	US7903601B2	11/8/2007	3/8/2011
United States	Promiscuous monitoring using internet protocol enabled devices	US8331240B2	11/8/2007	12/11/2012
United States	System and method for setting a data rate in TDMA communications	US8571004B2	9/28/2011	10/29/2013
United States	System and method for setting a data rate in TDMA communications	US8054819B2	12/6/2007	11/8/2011
United States	Method and apparatus for early warning of congestion in Ad-Hoc wireless networks	US8089884B2	4/7/2008	1/3/2012
United States	Mobile ad hoc network with asynchronous communications and related methods	US8009648B2	5/8/2008	8/30/2011
United States	Multi-tier ad-hoc network in which at least two types of non-interfering waveforms are communicated during a timeslot	US8325702B2	8/29/2008	12/4/2012
United States	Ad-hoc network acquisition using chaotic sequence spread waveform	US8165065B2	10/5/2008	4/24/2012
United States	Mobile wireless communications device with elastomeric sealing membrane covering switch and related methods	US8160657B2	7/24/2008	4/17/2012
United States	Network layer topology management for mobile ad-hoc networks and associated methods	US8547875B2	3/29/2010	10/1/2013
United States	Ad hoc wireless communications network with node role information routing and associated methods	US9247482B2	8/3/2011	1/26/2016

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Mobile ad hoc network with dynamic TDMA slot assignments and related methods	US8942197B2	10/24/2011	1/27/2015
United States	Method to bootstrap into a frequency agile ad hoc network of radios that use a non-deterministic frequency pattern	US9066320B2	2/7/2012	6/23/2015
United States	MANET with DNS database resource management and related methods	US9185070B2	5/17/2012	11/10/2015

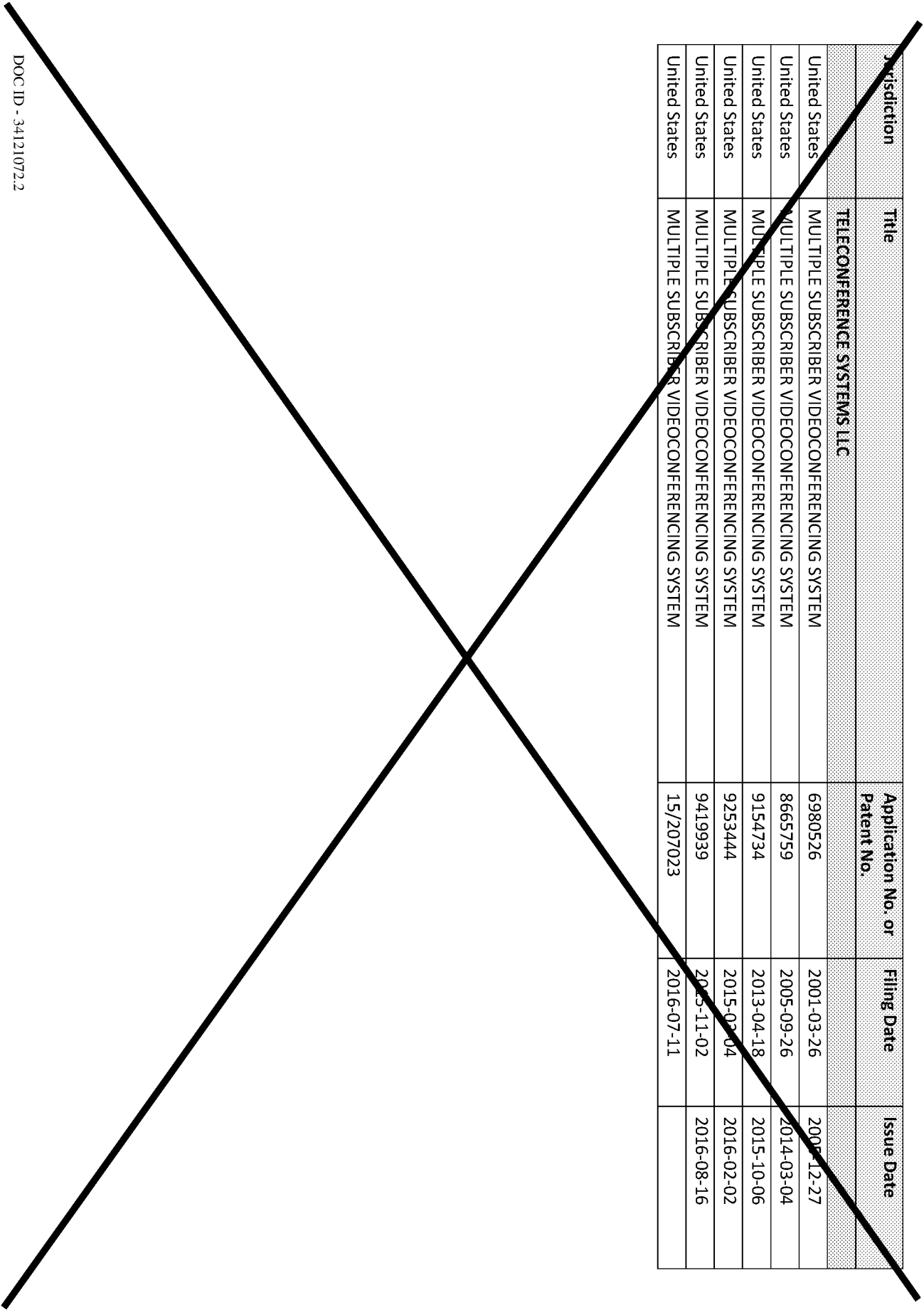


DOC ID - 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	SUPER INTERCONNECT TECHNOLOGIES LLC			
United States	HIGH DENSITY COLUMN DRIVERS FOR AN ACTIVE MATRIX DISPLAY	6100868	1997-09-15	2006-08-08
United States	CLOCK AND DATA RECOVERY METHOD AND APPARATUS	6693985	2001-10-26	2004-02-17
United States	SYSTEM AND METHOD FOR SENDING AND RECEIVING DATA SIGNALS OVER A CLOCK SIGNAL LINE	6463092	1999-09-09	2002-10-08
United States	SYSTEM AND METHOD FOR CONTROLLING AN ACTIVE MATRIX DISPLAY	6100879	1997-08-11	2000-08-08
United States	POWER SAVING CIRCUIT AND METHOD FOR DRIVING AN ACTIVE MATRIX DISPLAY	6271816	1998-09-04	2001-08-07
United States	CONTROLLABLE DELAYS IN MULTIPLE SYNCHRONIZED SIGNALS FOR REDUCED ELECTROMAGNETIC INTERFERENCE AT PEAK FREQUENCIES	6144242	1998-09-04	2000-11-07
United States	CMOS DRIVER AND ON-CHIP TERMINATION FOR GIGABAUD SPEED DATA COMMUNICATION	6566290	1999-01-20	2003-05-06
United States	SPREAD SPECTRUM PHASE MODULATION FOR SUPPRESSION OF ELECTROMAGNETIC INTERFERENCE IN PARALLEL DATA CHANNELS	6600771	1999-01-20	2003-07-29
United States	FREQUENCY COMPARATOR WITH HYSTERESIS BETWEEN LOCKED AND UNLOCKED CONDITIONS	6859107	2003-01-30	2005-02-22
United States	TRACKED 3X OVERSAMPLING RECEIVER	7203260	2003-07-03	2007-04-10
United States	VOLTAGE CONTROLLED OSCILLATOR	6888417	2003-07-03	2005-05-03
United States	DATA RECOVERY USING DATA EYE TRACKING	7315598	2006-08-02	2008-01-01
United States	METHOD AND APPARATUS FOR DATA RECOVERY IN A DIGITAL DATA STREAM USING DATA EYE TRACKING	7419138	2007-12-20	2009-04-14
United States	CLOCK-EDGE MODULATED SERIAL LINK WITH DC-BALANCE CONTROL	7627044	2005-10-31	2009-12-01
United States	COMBINING A CLOCK SIGNAL AND A DATA SIGNAL	7158593	2002-03-15	2007-01-02
United States	HIGH-SPEED AND HIGH-PRECISION PHASE LOCKED LOOP HAVING PHASE DETECTOR WITH DYNAMIC LOGIC STRUCTURE	5815041	1996-04-12	1998-09-29
United States	HIGH-SPEED AND HIGH-PRECISION PHASE LOCKED LOOP HAVING PHASE DETECTOR WITH DYNAMIC LOGIC STRUCTURE	6157263	1998-06-16	2000-12-05
United States	HIGH-SPEED AND HIGH-PRECISION PHASE LOCKED LOOP	6462624	2000-10-20	2002-10-08
United States	HIGH-SPEED AND HIGH-PRECISION PHASE LOCKED LOOP	6930560	2002-06-25	2005-08-16
United States	WIDE RANGE MULTI-PHASE DELAY-LOCKED LOOP	6876240	2003-11-25	2005-04-05

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	TELECONFERENCE SYSTEMS, LLC			
United States	MULTIPLE SUBSCRIBER VIDEOCONFERENCING SYSTEM	6980526	2001-03-26	2005-12-27
United States	MULTIPLE SUBSCRIBER VIDEOCONFERENCING SYSTEM	8665759	2005-09-26	2014-03-04
United States	MULTIPLE SUBSCRIBER VIDEOCONFERENCING SYSTEM	9154734	2013-04-18	2015-10-06
United States	MULTIPLE SUBSCRIBER VIDEOCONFERENCING SYSTEM	9253444	2015-03-04	2016-02-02
United States	MULTIPLE SUBSCRIBER VIDEOCONFERENCING SYSTEM	9419939	2015-11-02	2016-08-16
United States	MULTIPLE SUBSCRIBER VIDEOCONFERENCING SYSTEM	15/207023	2016-07-11	



DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	UNIFICATION TECHNOLOGIES LLC Page buffer for nonvolatile semiconductor memory device and method of operation	US72224624	5/20/2005	5/29/2007
United States	Row decoder circuit for use in non-volatile memory device	US72286411B2	6/27/2005	10/23/2007
United States	Flash memory and method of fabricating the same	US7348267B2	1/9/2006	3/25/2008
United States	Charge trap-type 3-level non-volatile semiconductor memory device and method of driving the same	US7342827B2	1/26/2006	3/11/2008
United States	Redundancy selector circuit for use in non-volatile memory device	US7315480B2	6/1/2006	1/1/2008
United States	Semiconductor device and method of manufacturing the same	US8012829B2	9/24/2010	9/6/2011
United States	Semiconductor device and method of manufacturing the same	US7626530B2	1/25/2007	12/1/2009
United States	Semiconductor device and method of manufacturing the same	US7825461B2	5/18/2007	11/2/2010
United States	Systems and methods for persistent deallocation	US8762658	8/3/2012	6/24/2014
United States	Apparatus, system, and method for managing data in a solid-state storage device	US8482993	5/1/2012	7/9/2013
United States	Apparatus, system, and method for identifying data that is no longer in use	US8533406	9/7/2012	9/10/2013
United States	Apparatus, system, and method for managing data using a data pipeline	US8533569	8/30/2012	9/10/2013
United States	Systems and methods for identifying storage resources that are not in use	US10387328	3/15/2007	8/20/2019
United States	Systems and methods for adaptive data storage	US90216569	10/3/2016	2/26/2019
United States	Apparatus, system, and method for validating that correct data is read from a storage device	US8392798	4/9/2012	3/5/2013
United States	Systems and methods for identifying storage resources that are not in use	US10387327	8/4/2016	8/20/2019
United States	Apparatus, system, and method for biasing data in a solid-state storage device	US8189407	12/29/2010	5/29/2012
United States	Systems and methods for adaptive error-correction coding	US9116823	3/14/2013	8/25/2015
United States	Systems and methods for adaptive data storage	US9495241	3/4/2013	11/15/2016
United States	Apparatus, system, and method for data block usage information synchronization for a non-volatile storage volume	US10558371	12/12/2014	2/11/2020
United States	Systems and methods for storage space recovery	US10146700	9/15/2016	12/4/2018

DOC ID : 341210722

US Assets

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	Systems and methods for identifying storage resources that are not in use	US9632727	6/19/2014	4/25/2017
United States	Systems and methods for storage parallelism	US9454492	12/28/2012	9/27/2016
United States	Apparatus, system, and method for storage space recovery after reaching a read count limit	US8074011	11/18/2008	12/6/2011
United States	Apparatus, system, and method for data block usage information synchronization for a non-volatile storage volume	US89935302	2/23/2010	1/13/2015
United States	Apparatus, system, and method for converting a storage request into an append data storage command	US8151082	4/6/2008	4/3/2012
United States	Apparatus, system, and method for efficient mapping of virtual and physical addresses	US8195912	4/6/2008	6/5/2012
United States	Apparatus, system, and method for managing data in a storage device with an empty data token directive	US8261005	12/6/2007	9/4/2012
United States	Apparatus, system, and method for ensuring data validity in a data storage process	US8316277	4/5/2008	11/20/2012
United States	Apparatus, system, and method for validating that a correct data segment is read from a data storage device	US8161353	4/6/2008	4/17/2012
United States	Apparatus, system, and method for managing data from a requesting device with an empty data token directive	US8296337	12/6/2007	10/23/2012
United States	Apparatus, system, and method for storage space recovery in solid-state storage	US8402201	12/6/2007	3/19/2013
United States	Apparatus, system, and method for managing data using a data pipeline	US8566496	12/6/2007	9/11/2012
United States	Apparatus, system, and method for managing commands of solid-state storage using bank interleaving	US9575908	12/6/2007	2/21/2017
United States	Methods of forming nonvolatile memory devices having electromagnetically shielding source plates	US8404578B2	1/12/2012	3/26/2013
United States	Nonvolatile memory devices having electromagnetically shielding source plates	US8116111B2	5/7/2009	2/14/2012
United States	Apparatus, system, and method to increase data integrity in a redundant storage system	US9304853	9/8/2014	4/5/2016
United States	Apparatus, system, and method to increase data integrity in a redundant storage system	US9684560	4/4/2016	6/20/2017
United States	Apparatus, system, and method to increase data integrity in a redundant storage system	US8832528B2	5/18/2010	9/9/2014

DOC ID : 341210722

Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United States	APPARATUS, SYSTEM, AND METHOD TO INCREASE DATA INTEGRITY IN A REDUNDANT STORAGE SYSTEM	US8281227	5/18/2009	10/2/2012
United States	Three-dimensional semiconductor devices including select gate patterns having different work function from cell gate patterns	US8110834B2	1/4/2010	7/7/2012
United States	Methods of manufacturing charge trap type memory devices	US8097531B2	3/17/2010	1/17/2012
United States	Semiconductor device with a pick-up region	US9111799B2	5/17/2011	8/18/2015
United States	Systems and methods for persistent address space management	US10133663	10/3/2013	11/20/2018
United States	Systems and methods for referencing data on a storage medium	US10019353	6/24/2013	7/10/2018
United States	Multilevel cell nonvolatile memory system	US9318216B2	3/13/2013	4/19/2016
United States	Three-dimensional semiconductor devices and methods of fabricating the same	US9019139B2	1/10/2014	4/28/2015
United States	Three-dimensional semiconductor devices and methods of fabricating the same	US9224429B2	3/2/2015	12/29/2015
United States	SYSTEMS AND METHODS FOR ADAPTIVE ERROR-CORRECTION CODING	US15253334	8/31/2016	
United States	APPARATUS, SYSTEM, AND METHOD FOR MANAGING COMMANDS OF SOLID-STATE STORAGE USING BANK INTERLEAVE	US15402936	1/10/2017	
United States	APPARATUS, SYSTEM, AND METHOD TO INCREASE DATA INTEGRITY IN A REDUNDANT STORAGE SYSTEM	US15596939	5/16/2017	
United States	Systems and Methods for Referencing Data on a Storage Medium	US16030232	7/9/2018	
United States	Systems and Methods for Persistent Address Space Management	US16177688	11/1/2018	
United States	SYSTEMS AND METHODS FOR STORAGE PARALLELISM	US16204947	11/29/2018	
United States	Systems and Methods for Adaptive Data Storage	US16245238	1/11/2019	
United States	Systems and Methods for Identifying Storage Resources That Are Not in Use	US16543464	8/16/2019	
United States	[No Title]	US16752458	1/24/2020	