

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6485390

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME previously recorded on Reel 053654 Frame 0254. Assignor(s) hereby confirms the RELEASE OF SECURITY INTEREST GRANTED PURSUANT TO THE PATENT SECURITY AGREEMENT PREVIOUSLY RECORDED.

CONVEYING PARTY DATA

Name	Execution Date
STARBOARD VALUE INTERMEDIATE FUND LP, AS COLLATERAL AGENT	06/30/2020

RECEIVING PARTY DATA

Name:	BONUTTI SKELETAL INNOVATIONS LLC
Street Address:	6136 FRISCO SQUARE BLVD
Internal Address:	SUITE 400
City:	FRISCO
State/Country:	TEXAS
Postal Code:	75034

PROPERTY NUMBERS Total: 89

Property Type	Number
Patent Number:	5961499
Patent Number:	6338730
Patent Number:	5814073
Patent Number:	5718717
Patent Number:	5980559
Patent Number:	6007567
Patent Number:	6152949
Patent Number:	6010525
Patent Number:	6468293
Patent Number:	7147652
Patent Number:	7879072
Patent Number:	5814072
Patent Number:	5948002
Patent Number:	6033430
Patent Number:	6312448
Patent Number:	6428562
Patent Number:	6086593

PATENT

Property Type	Number
Patent Number:	6575982
Patent Number:	6099531
Patent Number:	6423063
Patent Number:	7892261
Patent Number:	8956417
Patent Number:	5921986
Patent Number:	6117160
Patent Number:	6045551
Patent Number:	6238395
Patent Number:	6638279
Patent Number:	8147514
Patent Number:	6447516
Patent Number:	6231592
Patent Number:	6475230
Patent Number:	6635073
Patent Number:	7087073
Patent Number:	6702821
Patent Number:	7959635
Patent Number:	7104996
Patent Number:	8133229
Patent Number:	7806896
Patent Number:	7892236
Patent Number:	7749229
Patent Number:	7708740
Patent Number:	7806897
Patent Number:	7708741
Patent Number:	8739797
Patent Number:	7828852
Patent Number:	7931690
Patent Number:	7837736
Patent Number:	8632552
Patent Number:	8641726
Patent Number:	8623030
Patent Number:	8834490
Patent Number:	9192459
Patent Number:	9060797
Patent Number:	8784495
Patent Number:	7094251

Property Type	Number
Patent Number:	7854750
Patent Number:	8162977
Patent Number:	7114500
Patent Number:	5989282
Patent Number:	5782862
Patent Number:	5897574
Patent Number:	6368343
Patent Number:	6585750
Patent Number:	9138222
Patent Number:	8932330
Patent Number:	8747439
Patent Number:	9067362
Patent Number:	7329263
Patent Number:	6159234
Patent Number:	8486066
Patent Number:	8690944
Patent Number:	8795363
Patent Number:	9044322
Patent Number:	9050152
Patent Number:	7780670
Patent Number:	9044341
Patent Number:	6569187
Patent Number:	8845699
Patent Number:	8814902
Patent Number:	9101443
Patent Number:	8858557
Patent Number:	8840629
Application Number:	14725070
Application Number:	14958967
Application Number:	11370775
Application Number:	90005433
Application Number:	08457293
Application Number:	08472327
Application Number:	08770652

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.

PATENT

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ATTORNEY DOCKET NUMBER: 069902-0049

NAME OF SUBMITTER: SCOTT KAREFF(069902-0049)

SIGNATURE: /rr for sk/

DATE SIGNED: 01/07/2021

Total Attachments: 150

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RELEASE OF SECURITY INTEREST IN PATENTS

WHEREAS, pursuant to that certain Patent Security Agreement (the "Patent Security Agreement"), dated as of June 4, 2020, and recorded in the United States Patent and Trademark Office at Reel 052853, Frame 0153, each Grantor on the signature pages hereto (each a "Releasee" and, together, the "Releasees") granted to Starboard Value Intermediate Fund LP ("Releasor"), as Collateral Agent for itself and various other financial institutions, a security interest in all right, title and interest of Releasee in and to the patents and patent applications listed on Schedule A attached hereto (the "Patents"); and

WHEREAS, each Releasee has requested, and Releasor wishes to provide a document suitable for recording in the United States Patent and Trademark Office for purposes of recording the release, relinquishment and discharge of its security interest in the Patents.

NOW, THEREFORE, in consideration of and in exchange for good and valuable consideration, Releasor hereby agrees as follows:

1. Defined Terms. All capitalized terms used but not otherwise defined herein have the meanings given to them in the Patent Security Agreement.
2. Release of Security Interest. Releasor, without representation, warranty or recourse, hereby terminates the Patent Security Agreement and releases, relinquishes, terminates, cancels and discharges its continuing security interest in the Collateral, including without limitation, its continuing security interest in 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.
3. Recordation. The Releasor authorizes the Commissioner for Patents and any other government officials to record and register this Release of Security Interest in Patents upon written request by any Releasee.

IN WITNESS WHEREOF, the parties have caused this Release of Security Interest in Patents to be duly executed as of June 30, 2020.

**STARBOARD VALUE INTERMEDIATE
FUND LP**

By: 
Name: Jeffrey C. Smith
Title: Authorized Signatory

SCHEDULE A

Patent and Patent Applications

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 TRANSPONDER 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/INTERFERENCE 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	1997-09-29	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	2000-09-01
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 ISY-AVAINING-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-COMPLETE-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-WHICH-ELECTRODES-IS-CONNECTED-TO-METAL-SHIELD-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-COMPRESSING-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

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	6245614	1999-11-05	2001-06-12
United States	SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE HAVING CAPACITOR ELEMENT	6396114	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	7884034	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	8063294	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

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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

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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

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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 ERROM 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

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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 BUMPER 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	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 BUMPER 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

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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

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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-RATED-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	5903728	1996-10-16	1999-04-13

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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	5951894	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

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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 THERMAL 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

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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

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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

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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

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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

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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 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 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 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	1997-01-07

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

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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	US6402189	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

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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-RURAL-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	US8426969	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	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

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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 DYNAMIC 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

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United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	US9259589	2/9/2011	9/4/2012
United States	SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME	US9372709	9/14/2012	2/12/2013
United States	SEMICONDUCTOR DEVICE	US9394905	7/27/2014	11/6/2012
United States	Cloud computing infrastructure, method and application	US9787604	1/4/2015	10/19/2017

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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	7330784	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

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United States	METHOD AND APPARATUS FOR CONTROLLING A VEHICLE DOOR	7438346	2005-09-19	2008-10-21
United States	FIRE MONITORING TECHNIQUES	7467034	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

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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	7939172	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

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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		

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	BONUJTI 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	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	2004-01-13	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

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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	81333229	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	7708741	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 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	2014-01-21
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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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	6585750	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	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	2002-06-05	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

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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	2006-03-08	
United States	METHOD AND APPARATUS FOR USE IN ANCHORING A SUTURE	90/005433	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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	CELLULAR COMMUNICATIONS EQUIPMENT LLC			
United States	Apparatus, and associated method, for communicating packet data in a SD-WAN (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

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	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

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United States	LIFEPOINT SCIENCES LLC MESH AND STENT FOR INCREASED FLEXIBILITY	6673103	2000-05-16	2004-01-06
United States	METHODS AND APPARATUS FOR TREATING ANEURYSMS AND ARTERIOVENOUS FISTULAS	75069857	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	7098194	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

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United States	METHOD OF MAKING LARGE DIAMETER VASCULAR PROSTHESES AND VASCULAR PROSTHESES MADE BY SAID METHOD	6605119	2000-11-01	2003-09-12
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	BIFURGATED-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	5895504	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	GLOCK SYNCHRONOUS SEMICONDUCTOR MEMORY DEVICE	6697296	2002-05-09	2004-02-24

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Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	MOBILE ENHANCEMENT SOLUTIONS, LLC			
United States	MOBILE TELEPHONE WITH AMPLIFIED LISTENING	6448080	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	7473920	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	US6432716	12/6/2000	4/30/2003
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

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	Mechanism 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

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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	US0019965	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

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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	US6381594B1	7/11/2000	4/30/2002
United States	Brilliant-query-system	US6554638B1	10/31/2000	4/8/2003
United States	Metadata-based data mining	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	US7327695B1	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	8/23/2006
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 community 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

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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	US7447694B2	5/14/2005	11/4/2008
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	US7668864B2	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-digitized-content-over-a-computer-network	US7853670B2	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	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

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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	US6952331B2	4/30/2004	1/8/2013
United States	Content related wallpaper	US6271333B1	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	US7315899B2	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	US7546316B2	6/14/2007	6/9/2009
United States	Method and system for providing advertising inventory information in response to demographic inquiries	US6606041B2	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	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	US6135805B2	9/14/2010	3/13/2012
United States	Centralized feed manager	US7177931B2	5/31/2001	2/13/2007
United States	Centralized feed manager	US692536B2	3/8/2012	3/5/2013
United States	Centralized feed manager	US792926B2	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

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 database monitoring	US7043471B2	3/28/2002	5/9/2006
United States	Search engine database 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 common 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	US7359943B2	1/22/2002	4/15/2008
United States	Method for ranking web page search results	US7308461B1	1/24/2002	7/8/2008

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United States	Header-based network API	US0296462B2	12/28/2010	10/23/2012
United States	Header-based network API	US7870293B2	2/15/2002	1/11/2011
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	5/11/2010
United States	Phonetic self-improving search engine	US0392148B2	4/3/2012	3/5/2013
United States	Extractions of data signals using characteristic thumbprints	US0620626B2	9/14/2012	12/31/2013
United States	Extractions of data signals using characteristic thumbprints	US0659091B2	11/4/2013	5/23/2017
United States	Extractions of data signals using characteristic thumbprints	US0460840B2	11/30/2010	4/17/2012
United States	Extractions of data signals using characteristic thumbprints	US7853438B2	7/31/2008	12/14/2010
United States	Extractions of data signals using characteristic thumbprints	US7421375B1	4/24/2002	9/2/2008
United States	Use of extensible markup language in a system and method for infusing a position on a search result list generated by a computer network search engine	US7054857B2	5/9/2002	5/30/2006
United States	Use of extensible markup language in a system and method for infusing 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	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 appropriateness 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

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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	Diagrammation 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

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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	US8459082	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	12/4/2015
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-part-mutual-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

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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-among-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	US721228B2	3/18/2004	5/18/2010
United-States	Compilation-of-paged-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 news content by selected other user based on their authorization level	US0166069B2	3/29/2006	4/24/2012
United States	Control for joining an unauthorized user to gain access to display of content that is otherwise accessible with an authentication mechanism	US0584258B2	12/29/2005	11/12/2013
United States	Control for enabling a user to preview display of selected content based on another user's authorization level	US7599035B2	12/29/2005	10/6/2009

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United States	System and method for providing automatic 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 logos	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 creating online social network contacts	US7985901B2	6/8/2004	2/9/2011
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 created from network behavioral analysis of a user	US10062054B2	2/7/2011	8/28/2018
United States	Method and system for sharing content subscriber information in an online social network	US6612359B2	6/14/2004	12/17/2013
United States	Method and system for selecting advertising	US6527346B2	6/28/2004	9/3/2013
United States	Methods for attribute comparisons for online advertisement 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 maintaining font sizes on different platforms	US7640498B2	7/9/2004	12/29/2009
United States	System and method for adaptive selection of references to documents	US6706722B2	5/31/2012	4/22/2014
United States	System and method for adaptive selection of references to documents	US7539674B2	7/22/2004	5/16/2009
United States	System and method for adaptive selection of references to documents	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 transaction proposals	US7451152B2	5/12/2005	11/11/2008
United States	Search systems and methods using in-line contextual queries	US7958145B2	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	US7870039B1	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	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	US7747639B1	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

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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	Scalable 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

US Assets

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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	US7026988B1	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 marketing 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	US8058508B2	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

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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-CODCS-for-moderating-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	Interacting-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-Abstracts	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	US8099610B2	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-ring-a-connection-data-set	US8112549B2	7/14/2005	2/7/2012
United States	Content-router-notification	US7623515B2	7/14/2005	11/24/2009

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United-States	User-centric internet and content management enhancement 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 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 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	Notification 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	9/12/2009
United-States	Employing partial 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	US0478792B2	7/2/2008	7/12/2013
United-States	System and method for selecting advertisements 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 advertisements content based on publisher-selected labels	US7409402B1	9/20/2005	8/5/2008
United-States	System and method for presenting advertisement content based on publisher-selected labels	US0069099B2	6/26/2008	11/29/2011

US Assets

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 monotonically values to search terms	US6015065B2	10/28/2005	9/6/2011
United States	Methods for navigating collections of information in varying levels of detail	US7603912B2	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	US6709586B2	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 notification	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 and inventory with a clickable map interface	US6682713B2	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	09/7/2010
United States	Data gateway for jobs management based on a persistent job table and a server table	US6065680B2	11/15/2005	11/122/2011
United States	Remote selection and installation of auxiliary content	US7636766B2	11/15/2005	12/122/2009
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	9/4/2009
United States	Method for manufacturing an electronics module	US6062537B2	11/23/2005	11/122/2011
United States	Electronics module and method for manufacturing the same	US6547701B2	11/24/2005	10/4/2013
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	6/4/2010
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	11/19/2010
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 DNA-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	1/22/2006	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	User-exceptional-changes-in-webbrowser-architecture-over-time-for-internet-activity-marking	US6420177B2	2/6/2006	4/23/2013
United-States	Query-serving-infrastructure-providing-flexible-and-expandable-support-and-compliling-instructions	US7827523B2	2/23/2006	11/2/2010
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-communicaties-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-sequencing-and-reclamation-in-a-network-file-system-environment	US7904435B2	3/10/2006	3/8/2011
United-States	System-and-method-for-substantiated-recovery-after-an-error-in-a-batch-processing-system-enabled-by-multiple-parallel-or-unsynchronized-data	US7885859B2	3/10/2006	12/9/2008
United-States	System-and-method-for-browsing-search-results-based-on-topic-familiarity-to-other-sets-of-categories	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	US7668838B2	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-records-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	Automotive-eventnotification-of-network-events	US7814100B2	3/29/2006	10/12/2010
United-States	Model-for-generativity-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	US8892196B2	4/21/2006	2/13/2018
United-States	File-sharing	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	11/27/2012
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	4/29/2006	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 sequential data sets	US7734620B2	4/29/2006	6/8/2010
United States	System and method for evolutionary clustering of sequential data sets	US0930365B2	4/29/2006	1/6/2015
United States	Building support vector machines with reduced classifier 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 target audience 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 customized 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 early warning	US7944563B2	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 engine for facet set queries	US7567945B2	6/29/2006	7/28/2009
United States	Techniques for clustering structurally similar web pages	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-evaluator	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	1/17/2017
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 services 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

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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-hanging-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-relationship-between-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	US0108501B2	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	US0504702B2	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

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United States	System and method for transmission of DNS beacon	US0109555B2	11/09/2010	11/31/2012
United States	System and method for transmission of DNS beacons	US7985372A92	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	US0056007B2	11/15/2006	11/8/2011
United States	System and method for generating subscriber queries on the basis of one or more features	US7730264B2	11/15/2006	6/15/2010
United States	Client-side federated search	US7805175B2	11/15/2006	2/22/2011
United States	Avatar skinning and scrolling	US0087507B2	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	US0635203B2	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	US0110903B2	11/22/2006	8/18/2015
United States	Method, system and apparatus for delivery of media	US0402356B2	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 nonrelature and placement metrics for website design	US0126766B2	11/29/2006	2/28/2012
United States	Agent for identifying domains with content arranged for display by a mobile device	US0041702B2	11/29/2006	10/18/2011
United States	Method and user interface for navigation through grid of scheduled items	US0381130B2	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	US0176050B2	11/30/2006	5/8/2012
United States	Method and system for managing playlists	US0396103B2	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	US0045802B2	12/1/2006	10/25/2011
United States	Topic focused search result summaries	US7921092B2	12/4/2006	4/5/2011

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United States	Bid-contract 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

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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	12/16/2010	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	US0003296B2	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	US0135721B2	10/21/2010	3/13/2012
United-States	Identifying-items-that-have-experienced-recent-interact-bursts	US0804624B2	12/21/2006	10/25/2011
United-States	System-for-tagging-data-to-sites-referenced-on-a-page	US0108300B2	12/21/2006	4/31/2012
United-States	System-for-generating-scores-related-to-interactions-with-a-service-provider-partner	US0458025B2	1/26/2007	6/4/2013
United-States	Providing-multiple-media-items-to-a-user-via-a-simplified-summary-interaction	US0356039B2	12/21/2006	1/15/2013
United-States	Academic-filter	US0024280B2	12/21/2006	9/20/2011
United-States	Clustered-query-support-for-a-database-query-engine	US7844609B2	12/22/2006	11/30/2010
United-States	Social-network-commerce-model	US005553B2	12/22/2006	11/8/2011
United-States	Dynamic-pricing-models-for-digital-content	US0076148B2	12/22/2006	7/7/2015
United-States	Link-retrofitting-of-digital-media-objects	US0082804B2	12/22/2006	2/28/2017
United-States	Exported-overlays	US0734257B2	12/22/2006	8/15/2017
United-States	Method-and-system-for-locating-events-in-content	US0185524B2	12/22/2006	5/22/2012
United-States	Confusion-matrix-for-classification-systems	US0611675B2	12/22/2006	12/17/2013
United-States	Method-and-system-for-progressive-disclosure-of-search-results	US0156135B2	12/22/2006	4/10/2012
United-States	Method-and-system-for-managing-multiple-categories-of-files-on-a-network	US0103590B2	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	US0762693B2	6/9/2014	9/12/2017
United-States	Identifying-interest-twins-in-an-online-community	US0166058B2	12/28/2006	4/24/2012
United-States	Asymmetric-identification-of-interest-twins-in-an-online-community	US0342614B2	4/10/2012	5/17/2016
United-States	Methods-and-systems-for-pre-estimating-information-on-a-mobile-computing-device	US0769099B2	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	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	US0326841B2	10/11/2011	12/4/2012
United-States	Clustered-search-processing	US7630972B2	1/5/2007	12/8/2009

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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-multimedia	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	US0983923B2	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-etag/orical-searching	US0825625B2	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	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

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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	12/21/2010	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 aggregate generation of data that monitors user interactions with a web page	US7840523B2	3/9/2007	11/23/2010
United States	"Query-log watch"-related 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-interpretable document for controlling a plurality of media players and systems and methods related thereto	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 user interface	US6881052B2	3/21/2007	11/4/2011
United States	Traffic prediction index 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	12/22/2009
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	US9150849B2	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	US9396261B2	4/25/2007	7/19/2016
United States	Instant communication with the VPN tunnel management	US8418244B2	4/27/2007	4/9/2013

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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 kahnman filter tree structure-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	2/23/2011
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	Cold 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	Cold 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	US9395891B2	8/18/2008	3/12/2013
United States	Cold row encapsulation for server farm cooling system	US7443011B1	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 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	US0794142B2	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 navigation interfaces 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

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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	US7849092B2	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 wireless media player	US6316300B2	1/24/2011	11/20/2012
United States	Personal wireless media player	US7877687B2	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

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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	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	US689330B2	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	US8366189B2	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 shortcode 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 systems 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	US8987538B2	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	Boosting ranking of 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 fraudulent bids	US9280993B2	10/4/2007	10/2/2012
United States	System and method for ranking posts 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 ad option cycle	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 ad option cycle	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

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United-States	Virtual-universal-translation-for-a-mobile-device-with-a-camera	US09725490B2	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	US0621043B2	10/19/2007	12/31/2013
United-States	Method-and-system-for-replacing-hyperlinks-in-a-webpage	US0751606B2	10/19/2007	6/10/2014
United-States	Delayed-advertisement-insertion-in-wides	US0108257B2	10/23/2007	1/31/2012
United-States	Visual-universal-decryption-apparatus-and-methods	US0406424B2	10/25/2007	3/26/2013
United-States	Visual-universal-decryption-apparatus-and-methods	US0712047B2	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	US0290929B2	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	US0694614B2	10/17/2013	4/8/2014
United-States	Shortcut-sets-for-controlled-environments	US0566424B2	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	US0871841B2	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	US0145649B2	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	US0972326B2	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	US0692816B2	1/28/2015	6/27/2017
United-States	Representative-keyword-selection	US0292863B2	6/7/2013	3/22/2016
United-States	Community-based-web-filtering	US7747680B2	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	US7890494B2	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	US0150870B1	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	Method and apparatus for computing graph similarity via sequence similarity	US8417657B2	5/2/2011	4/9/2013
United States	Method 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

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Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
United-States	System-and-method-for-contextual-advertising-of-communications-on-a-network	US6671154B2	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	US6046360B2	12/13/2007	10/25/2011
United-States	Segmentation-of-search-topics-in-query-logs	US6478737B2	12/10/2010	7/2/2013
United-States	Method-and-apparatus-for-classifying-and-classifying-polysyllabic-word-instances-in-web-documents	US7917496B2	12/14/2007	3/29/2011
United-States	Method-and-apparatus-for-classifying-and-classifying-polysyllabic-word-instances-in-web-documents	US7957957B2	12/14/2007	6/7/2011
United-States	Method-and-apparatus-for-classifying-and-classifying-polysyllabic-word-instances-in-web-documents	US6135715B2	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-content-and-relevant-information-over-a-social-network	US6260882B2	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-organization-to-accommodate-growth-across-replicated-databases	US7958088B2	12/14/2007	6/7/2011
United-States	System-for-opinion-recognition	US7895149B2	12/17/2007	2/22/2011
United-States	System-and-method-for-internet-marketing-by-endorsements	US6194928B2	12/17/2007	7/10/2012
United-States	Using-user-search-behavior-to-plan-online-advertising-campaigns	US6452768B2	12/17/2007	5/28/2013
United-States	Methods-for-augmenting-user-generated-content-using-a-normalizable-feature	US10192244B2	12/23/2013	1/29/2019
United-States	Method-and-apparatus-for-detecting-and-explaining-bursty-stream-events-in-tagged-groups	US6612409B2	12/18/2007	12/17/2013

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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	US7720870B2	12/18/2007	5/18/2010
United-States	System and method for facilitating trusted recommendations	US9108230B2	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	US9001130B2	12/20/2007	8/16/2011
United-States	DNS wildcard based on-line detection and resolution and resolver load for global traffic load balancing	US9756340B2	12/20/2007	6/17/2014
United-States	DNS wildcard based on-line	US9577910B2	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 and indexing by search impact	US7899807B2	12/28/2007	3/14/2011
United-States	Systems and methods for presenting visualizations of media access patterns	US9599203B2	12/20/2007	12/9/2013
United-States	User-specified detection and response	US9527623B2	12/24/2007	9/3/2013
United-States	Mobile-click fraud prevention	US9799060B2	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

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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	US7840548B2	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	US0873953B2	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-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	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-websites	US0255793B2	11/9/2008	8/28/2012
United-States	Adapting-a-context-independent-relevance-function-for-identifying-relevant-search-results	US0775416B2	11/9/2008	7/8/2014

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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

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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	2/19/2008	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 templates 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	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 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 ready queries	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

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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 content recommendations	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 incorporating boosted ranking in a regression framework for information retrieval and ranking	US7849076B2	3/31/2008	12/7/2010
United-States	Information retrieval and ranking information retrieval using dynamic guided navigation	US9798886B2	3/31/2008	10/24/2017
United-States	Learning ranking functions incorporating boosted ranking 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 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	4/14/2008	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	US80011141B2	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	US795377792	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-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

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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	US0353009B2	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

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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	Pre-fetching-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	US8170974B2	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

US Assets

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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	US0613758B2	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	US09059100B2	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	US0639845B2	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 subnets 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

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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-enhanced 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	US6820097B2	8/28/2008	4/28/2015
United States	Generation of search result abstracts	US6898439B2	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	Presenting in-line content configuration 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

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United-States	Associating objects-in databases-by-rate-based-tagging	US69743009B2	9/25/2008	4/20/2014
United-States	Integration-of-operand-attributes-with-e-commerce-activities	US6374940B2	9/26/2008	2/12/2013
United-States	Estimating-on-line-activity-inventory-value-based-on-contrast-eligibility-information	US6353800B2	9/29/2008	9/17/2013
United-States	Community-seeing-networks	US6108481B2	9/29/2008	1/31/2012
United-States	Classification-and-elusive-analysis-appar-detection-and-reduction	US7809824B2	9/29/2008	10/5/2010
United-States	Query-refinement-based-on-user-selections	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-inferrer-edges-information	US9996844B2	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-comparing-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-interact-information-retrieval-and-exploration	US6719292B2	10/7/2008	5/6/2014
United-States	Context-sensitive-user-group-communication	US9900277B2	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

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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-escalating-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-spanning-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-spanning-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

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United States	Dynamic-feature-weighting	US10210170B2	11/18/2008	2/19/2010
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-extracting-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	US8885518B2	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-query-augmentation	US8561678B2	10/3/2011	10/7/2014
United States	System-and-method-for-content-based-query-augmentation	US8055675B2	12/5/2008	11/8/2011
United States	Determining-related-keywords-based-on-lifestream-feeds	US8515988B2	11/4/2012	8/20/2013

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United-States	Determining-related-keywords based-on-lifecycle-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	Mining-broad-based-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-droptail-on-web-sites	US8413063B2	1/13/2009	4/2/2013
United-States	Conversion-service-for-data-droptail-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	11/14/2011
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	US0869256B2	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

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United-States	Apparatus-and-methods-for-processor-training-in-information-extraction	US64412652B2	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-reduction	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-visibility	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	

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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-algorithm-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-algorithm-for-pairwise-preference-learning	US0280820B2	7/16/2009	10/2/2012

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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 knowledge 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	US9384214B2	7/31/2009	7/5/2016
United-States	Supplementing a trained 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	US70223701B2	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	US9137329B2	1/17/2014	9/15/2015
United-States	Platform for delivery of heavy content to a user	US6908856B2	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

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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	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 tracking	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

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United-States	System-and-methods-for-enabling-arbitrary-developer-coded-consumption-of-web-based-data	US6467238B2	4/29/2010	3/26/2013
United-States	System-and-methods-for-enabling-arbitrary-developer-coded-consumption-of-web-based-data	US9442979B2	2/5/2013	9/13/2016
United-States	System-and-methods-for-enabling-arbitrary-developer-coded-consumption-of-web-based-data	US916355B2	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-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-sources-into-primary-search-engine-results	US8150874B2	11/30/2009	4/3/2012
United-States	System-and-method-for-automatically-building-up-topic-specific-messaging-identities	US9129263B2	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	US9619291B2	12/20/2009	4/11/2017
United-States	Opinion-aggregation-system	US9141966B2	12/23/2009	9/22/2015
United-States	Search-suggestion-elustering-and-presentation	US8631904B2	12/28/2009	1/14/2014
United-States	Client-side-ad-etching-for-lower-ad-serving-lateney	US9027109B2	1/5/2010	5/5/2015
United-States	Techniques-for-etching-web-pages	US8768926B2	1/5/2010	7/1/2014
United-States	System-and-method-for-optimizing-search-results-ranking-through-collaborative-gaming	US8612449B2	2/14/2012	12/17/2013
United-States	System-and-method-for-optimizing-search-results-ranking-through-collaborative-gaming	US8140518B2	1/8/2010	3/20/2012
United-States	Apparatus-and-methods-for-classifying-senders-of-unsolicited-bulk-emails	US9710750B2	1/12/2010	7/18/2017

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United-States	Method-and-apparatuses-for-encrypting-electronic-communications-based-on-stochastic-features-and-stochastic-content-features	US0832102B2	1/12/2010	9/9/2014
United-States	Locality-sensitive-search-substitutions	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-saved-search-results	US0256051B2	5/12/2012	1/15/2013
United-States	Integrated-saved-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

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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-wide-range-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-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-queries-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	US0660536B2	3/11/2010	10/15/2013
United-States	Method-and-system-for-determining-similarity-score	US0620930B2	3/11/2010	12/31/2013

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United-States	Maximum-likelihood-estimation-under-a-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-authenticity-rankings-for-contentproviders-content	US0666908B2	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	Customer-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-advertiserselection	US0903736B2	4/5/2010	12/2/2014
United-States	Click-probability-with-missing-features-in-sponsored-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-subgestion-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	US0592768B2	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

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United States	Improving geographical locations in a search process	US0903837B2	4/13/2010	12/2/2014
United States	Using external sources for sponsored search AD selection	US0129300B2	4/21/2010	9/8/2015
United States	Selectively adding special dimension to web searches	US0800520B2	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	US0990641B2	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 sequential algorithm	US0838599B2	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 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	7/11/2010	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

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United-States	Estimating probabilities of events in sponsored search using adaptive models	US0302343B2	7/21/2010	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	8/21/2012
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	7/21/2015
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

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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	Method or content tagging/determining 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	Measure-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	4/2/2013
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

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United-States	Mobile-based-real-time-food-and-beverage-recommendation-system	US9429027B2	11/09/2010	4/23/2013
United-States	Methods-and-systems-for-pathing-analysis	US9471605B2	11/12/2010	10/18/2016
United-States	Methods-and-systems-for-pathing-analysis	US9940390B2	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	US9510653B2	11/15/2010	8/13/2013
United-States	Bootstrapping-recommendation-system-and-method	US9510248B2	11/18/2010	8/13/2013
United-States	Detecting-counterfeit-events	US9105008B2	11/29/2010	8/11/2015
United-States	Using-clicked-state-driven-click-through-rate-estimates-in-sponsored-search	US9364525B2	11/30/2010	1/29/2013
United-States	Method-and-system-for-discovering-dynamic-relations-among-entities	US9529895B2	10/29/2014	12/27/2016
United-States	Systems-and-methods-for-list-ranking-and-ads-placement-using-interaction-features	US9620744B2	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	US9266140B2	12/10/2010	9/11/2012
United-States	System-and-method-for-booking-an-advertisement-for-an-impession-using-a-targeting-dimension-dictionary	US9928523B2	12/10/2010	3/27/2018
United-States	Cross-market-model-adaptation-with-pairwise-preference-data	US9489590B2	12/13/2010	7/16/2013
United-States	Cacheing-web-documents-in-two-or-more-caches	US9849750B2	12/15/2010	9/30/2014
United-States	Integrating-and-comprehensive-advertising-campaign-management-and-optimization	US9904930B2	12/16/2010	2/27/2018
United-States	Image-object-retrieval-based-on-aggregation-of-visual-annotations	US9527564B2	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	US9972020B2	12/17/2010	5/15/2018
United-States	Method-and-system-for-generating-web-pages-for-topics-unassociated-with-a-domain-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-displays-using-ad-images-and-landing-pages	US9732014B2	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

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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-anonymous-measurement-of-online-advertisement-using-offline-sales	US0935177B2	12/22/2010	1/13/2015
United-States	Location-a-user-based-on-aggregated-tweet-content-associated-with-a-location	US0172666B2	6/10/2013	10/27/2015
United-States	Location-aware-adaptive-event-renderer	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-strategy	US0903845B2	12/23/2010	12/2/2014
United-States	Service-reliable-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	US0939899B2	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	US0938902B2	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-geo-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

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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-provision 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	2/23/2011	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

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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	2/21/2014	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	12/9/2015	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	1/12/2015	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

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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 inconsistency	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 pool 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 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 extrating, collecting, analyzing and ranking of email objects	US0043413B2	11/15/2011	5/26/2015

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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 message protocol	US10230672B2	4/17/2015	3/12/2019
United States	Instantiating search box into a mobile terminal dialog message protocol	US052792B2	5/9/2012	6/9/2015
United States	User behavior driven backgroud and cache refreshing	US0808132B2	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

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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	US0990344B2	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	US0818745B2	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-sequeing	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

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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 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 secure identifier	US0856240B2	5/24/2012	10/7/2014
United-States	Automatic 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	US0111201B2	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

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United States	Method and system for recommending websites	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

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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	US0965999B2	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

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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	Learned video advertisement wall	US9930425B2	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	US10209694B2	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	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	Admox-online-large-scale-collaborative-filtering-based-recommendation system	US9348924B2	3/15/2013	5/24/2016

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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 content-based trigger	US9530994B2	3/15/2013	12/27/2016
United-States	Jabba-type override-for-eorrection-or-improving-output-of-a-model	US9195940B2	3/15/2013	11/24/2015
United-States	Detecting prohibited data-use-in-a-ution-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	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-guarantees	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 targeting user interests based on mobile-calls	US9582815B2	5/16/2013	2/28/2017
United-States	System and method for targeting 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-enum-update	US9268899B2	5/29/2013	2/23/2016
United-States	Method and system for automatically pausing advertisement based on user attention	US10026104B2	11/16/2015	7/17/2018
United-States	Method and system for automatically pausing advertisement 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

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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	US1054630B2	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	US9066146B2	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	US1003190B2	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	US9191780B2	8/22/2013	11/17/2015
United-States	User-programmable-character-store-for-video	US1005509B2	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	Cash-refreshing-for-online-social-rewards	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

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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	US9672218B2	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	5/29/2018
United-States	Recursive unique user metrics in real time	US9754035B2	2/7/2014	9/5/2017

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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-aygmented-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	Anonymous-linking-of-servers-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-entity-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

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United States	Internet-based search results organized with a modular search object framework	US0535945B2	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	US10397452B2	5/30/2014	8/27/2019
United States	Systems and methods for advertising sponsored verbs and contexts	US10152730B2	1/30/2017	12/11/2018
United States	Systems and methods for advertising 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

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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	12/30/2014	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	7/19/2016	8/29/2017
United States	Providing interactivity options for television broadcast content	US0948997B2	2/25/2015	4/17/2018

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United States	Secure service for receiving information from a user device	US0942244B2	12/15/2015	4/10/2018
United States	Secure service for receiving information through a network 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-generated three-dimensional spherical and projection images to adjust image 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	US0677268S1	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

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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

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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	US69011064B2	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

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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-quantity-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-quantity-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

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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	US7327690B2	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 temporal 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	US7761994B2	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 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	US7299039B2	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

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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 (INBA) 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	US7109448B1	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 WAVEFORM MANAGED LINK STATE ROUTING	US6213409B2	2/20/2007	7/3/2012
United States	SYSTEM AND METHOD FOR COMMUNICATING OVER MESH NETWORKS USING WAVEFORM MANAGED LINK STATE ROUTING	US6488589B2	5/30/2012	7/16/2013
United States	Nearly collision-free channel access system and method	US7720321B2	2/21/2007	6/12/2010
United States	Synchronization and timing source priority in an ad hoc network	US7720336B2	3/28/2007	6/11/2010

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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 configuration basison 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 offset 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	US6954819B2	12/6/2007	11/8/2011
United States	Method and apparatus for early 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	US6909648B2	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	US6325702B2	8/29/2008	12/4/2012
United States	Ad hoc network acquisition using chaotic sequence spread waveform	US6165065B2	10/9/2008	4/24/2012
United States	Mobile wireless communications device with elastomeric scaling membrane covering switch 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

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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	US09066320B2	2/7/2012	6/23/2015
United States	MANET with DNS database resource management and related methods	US0185070B2	5/17/2012	11/10/2015

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	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 TERMININATION 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 HYSTERESIS BETWEEN LOCKED AND UNLOCKED CONDITIONS	6959107	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	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	6076240	2003-11-25	2005-04-05

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Jurisdiction	Title	Application No. or Patent No.	Filing Date	Issue Date
	TELECONFERENCE SYSTEMS, LLC			
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCE-SYSTEM	6080526	2004-03-26	2005-12-27
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCE-SYSTEM	9665759	2005-09-26	2014-03-04
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCE-SYSTEM	9154734	2013-04-18	2015-10-06
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCE-SYSTEM	9253444	2015-03-04	2016-02-02
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCE-SYSTEM	9419939	2015-11-02	2016-08-16
United States	MULTIPLE-SUBSCRIBER-VIDEOCONFERENCE-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 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	US1038732B	3/15/2007	8/20/2010
United States	Systems and methods for adaptive data storage	US1021656B	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	US1038732B	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

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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 parallelism	US0454492	12/28/2012	9/27/2016
United-States	Apparatus, system, and method for storage space recovery after recharging a read-only unit	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 converting a storage request into an operand 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 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

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	