

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5615378

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	YAHOO HOLDINGS, INC.	01/24/2018
RECEIVING PARTY DATA		
Name:	OATH INC.	
Street Address:	770 BROADWAY	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10003	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16448537	
CORRESPONDENCE DATA		
Fax Number:	(212)801-6400	
<i>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.</i>		
Phone:	2128019200	
Email:	njdocket@gtlaw.com	
Correspondent Name:	OATH INC. C/O GREENBERG TRAURIG, LLP	
Address Line 1:	MET LIFE BUILDING	
Address Line 2:	200 PARK AVENUE	
Address Line 4:	NEW YORK, NEW YORK 10166	
ATTORNEY DOCKET NUMBER:	085804.121151	
NAME OF SUBMITTER:	JUDI CORDO	
SIGNATURE:	/Judi Cordo/	
DATE SIGNED:	07/12/2019	
Total Attachments: 398		
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page1.tif		
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page2.tif		
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page3.tif		
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page4.tif		
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page5.tif		

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page390.tif
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page391.tif
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page392.tif
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page393.tif
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page394.tif
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page395.tif
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page396.tif
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page397.tif
source=Y11621US01_085804_121151_assignment_yahoo_holdings_to_oath#page398.tif

CONFIRMATORY PATENT ASSIGNMENT

This Confirmatory Patent Assignment ("Assignment") is entered into as of December 31, 2017 immediately after the effective date and time of the Agreement referenced below ("Effective Date") by and between Yahoo Holdings, Inc. a company incorporated in Delaware ("Seller") having an address at 701 First Avenue, Sunnyvale, CA 94089 and Oath Inc. a Delaware corporation ("Oath") having an address at 770 Broadway, New York, NY 10003.

WHEREAS, Oath and Seller have entered into an Assignment and Transfer agreement dated as of December 31, 2017 (the "Agreement"), pursuant to which Seller has agreed to sell and transfer certain assets to Oath;

WHEREAS, Seller has assigned and transferred all right, title and interest in and to certain patents, patent applications and/or other patent rights, including, without limitation, those listed in Exhibit I of this Assignment; and

WHEREAS, Seller desires to confirm the assignment to Oath, and Oath desires to confirm receipt of, all of Seller's right, title and interest in and to such patents, patent applications and/or other patent rights.

NOW, THEREFORE, pursuant to the Agreement, and for good and valuable consideration given and received, the receipt and legal sufficiency of which is hereby acknowledged, Seller and Oath, intending to be legally bound hereby, agree as follows:

- (A) Seller hereby confirms the irrevocable transfer, conveyance, and assignment delivered to Oath, and Oath confirms that it accepted:
 - (1) all of Seller's right, title and interest throughout the world (including, without limitation, all rights provided by international conventions and treaties) in and to:
 - (a) all patents and patent applications owned by Seller, including, without limitation, the patents and patent applications set forth in Exhibit I and any patents granted on any of the patent applications set forth in Exhibit I;
 - (b) any patents or patent applications that claim priority to any of the items in (a) (including, without limitation, any continuations, divisionals, continuations-in-part, substitutes, reissues, reexaminations, extensions and renewals thereof, together with all priority rights and counterpart applications under the laws of the United States or any foreign country or jurisdiction or any international patent conventions, agreements or treaties in effect as of or after the Effective Date);
 - (c) any patents or patent applications to which any of the patents or patent applications in (a) or (b) claim priority and any foreign counterparts to any patents or patent applications in (a) or (b); and
 - (d) any other rights in the inventions described or disclosed in any of the patents and patent applications in (a), (b) or (c);(all of the foregoing in (a), (b), (c) and (d), collectively, the "Assigned Patents");
 - (2) all rights to causes of action and remedies related to the Assigned Patents, including without limitation, the right to sue (including, without limitation, for damages and injunctive relief) for any past, present or future infringement, violation, dilution or other unauthorized use of any of the Assigned Patents;
 - (3) all rights to receive income, royalties, damages, payments or other consideration with respect to the Assigned Patents;
 - (4) all rights to prosecute and maintain the Assigned Patents; and
 - (5) all other rights and interests arising out of, in connection with or in relation to the Assigned Patents.

- (B) Seller agrees, without further compensation, upon the request of Oath (or its successors, assigns or legal representatives) to timely:
- (1) execute all oaths, assignments, powers and any other papers;
 - (2) testify in all proceedings; and
 - (3) otherwise take all actions, and fully cooperate with Oath;
- in each case (1), (2) and (3), as may be necessary or appropriate, in the opinion of Oath, to convey, establish, evidence, maintain, protect, defend and enforce Oath's rights in the Assigned Patents or otherwise related to securing and enforcing Oath's rights under this Assignment; and Seller hereby irrevocably appoints Oath and any of its officers as Seller's attorney in fact to undertake such acts in Seller's name.
- (C) Seller agrees to deliver to Oath accurate copies of all material correspondence with counsel, in Seller's or its counsel's possession, relating to ownership, filing, prosecution, protection, infringement, validity, enforceability or enforcement of, the Assigned Patents, to the extent such has not already been delivered.
- (D) Seller hereby authorizes and requests the Commissioner of Patents of the United States, and any other official of any applicable governmental authority, to record this Assignment and to issue any patents from any patent applications included in the Assigned Patents to and in the name of Oath.
- (E) This Assignment, the rights and obligations of the parties under this Assignment, and any claim or controversy directly or indirectly based upon, arising out of or related to, this Assignment or the transactions contemplated by this Assignment (whether based upon contract, tort or any other theory), including, without limitation, all matters of construction, validity and performance, shall be governed by and construed in accordance with the laws of the State of California, without regard to any conflict of laws provisions that would require the application of the law of any other jurisdiction.
- (F) This Assignment may be executed in one or more counterparts (including by facsimile or electronic transmission), each of which will be deemed to be an original copy of this Assignment and all of which, when taken together, will be deemed to constitute one and the same agreement.
- (G) This Assignment shall be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns.

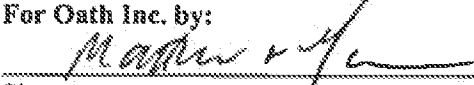
[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the undersigned have caused this Assignment to be duly executed and delivered as of the Effective Date first set forth above.

For Yahoo Holdings, Inc. by:


Signature
Michael Y. Howson
Name
1/24/18
Date

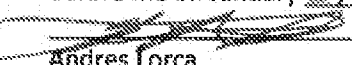
For Oath Inc. by:


Signature
Matthew W. Garber
Name
1/24/18
Date

Notarial Certificate

In the County of Loudoun, for the Commonwealth of Virginia

The foregoing instrument was subscribed and sworn before me on January 24, 2018 by Michael Y. Howson


Andres Lorca

Notary Public

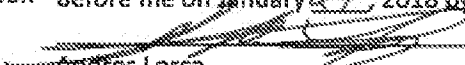
Notary Registration Number: 7270854

My commission expires: November 30, 2021

Notarial Certificate

In the County of Loudoun, for the Commonwealth of Virginia

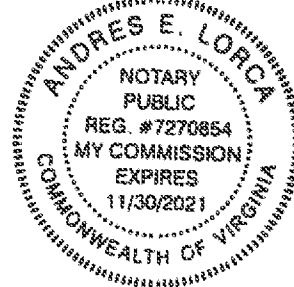
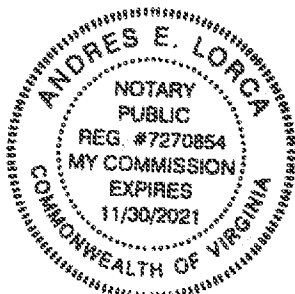
The foregoing instrument was subscribed and sworn before me on January 24, 2018 by Matthew W. Garber


Andres Lorca

Notary Public

Notary Registration Number: 7270854

My commission expires: November 30, 2021



2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11979US00	US	12/15/2017	OTH	Presenting an augmented reality interface	15/843,780	UTL	PENDING	12/15/2017		
Y11955US00	US	12/8/2017	OTH	Controlling a graphical user interface using a presentation of messages based upon predicted interactions with the messages	15/835,574	UTL	PENDING	12/8/2017		
Y11953US00	US	12/29/2017	OTH	Output Device Control	15/858,328	UTL	PENDING	12/29/2017		
Y11952US00	US	12/19/2017	OTH	Method and System for Reducing Risk Value Discrepancies Between Categories	15/846,500	UTL	PENDING	12/19/2017		
Y11949US00	US	12/14/2017	OTH	Controlling a Graphical User Interface to Present a Message Comprising a Representation of an Item	15/841,338	UTL	PENDING	12/14/2017		
Y11947US00	US	12/29/2017	OTH	Method and System for Intrusion Detection and Prevention	15/857,776	UTL	PENDING	12/29/2017		
Y11946US00	US	12/29/2017	OTH	Method and System for Detecting Anomalies in Data Labels	15/858,001	UTL	PENDING	12/29/2017		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11931US00	US	12/29/2017	OTH	Method and System for Detecting Fraudulent User-Content Provider Pairs	15/857,943	UTL	PENDING	12/29/2017		
Y11923US00	US	12/1/2017	OTH	Tactile feedback array control	15/829,037	UTL	PENDING	12/1/2017		
Y11922US00	US	11/30/2017	OTH	Publishing Message Conversations to Electronic Forums	15/826,888	UTL	PENDING	11/30/2017		
Y11921US00	US	12/7/2017	OTH	Automated Network Account Transfers Based On Determined Inactivity	15/834,268	UTL	PENDING	12/7/2017		
Y11920US00	US	12/7/2017	OTH	Securing Digital Content Using Separately Authenticated Hidden Folders	15/834,109	UTL	PENDING	12/7/2017		
Y11911US00	US	10/31/2017	OTH	Drag & drop query expansion mechanism	15/798,490	UTL	PENDING	10/31/2017		
Y11909US00	US	11/30/2017	OTH	Generating Options for a Task using Objectives	15/827,030	UTL	PENDING	11/30/2017		
Y11904US00	US	9/29/2017	OTH	Preserving Contextual Relevance of Content	15/721,550	UTL	PENDING	9/29/2017		
Y11901US00	US	10/12/2017	OTH	System and Method for Discovering Publisher Fraud Networks	15/782,599	UTL	PENDING	10/12/2017		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11893US00	US	11/13/2017	OTH	Presenting Messages via Graphical Objects in a Graphical user Interface	15/810,614	UTL	PENDING	11/13/2017		
Y11892US00	US	8/15/2017	OTH	Method And System For Providing Pre-Approved A/A Data Buckets	15/677,724	UTL	PENDING	8/15/2017		
Y11890US00	US	8/15/2017	OTH	Detection of gap between actual bucket size and expected bucket size in A/B Testing	15/677,925	UTL	PENDING	8/15/2017		
Y11889US00	US	8/15/2017	OTH	Method And System For Detecting Gaps In Data Buckets For A/B Experimentation	15/677,917	UTL	PENDING	8/15/2017		
Y11886US00	US	11/7/2017	OTH	Computerized System and Method For Controlling Electronic Messages and Their Responses After Delivery	15/805,369	UTL	PENDING	11/1/2017		
Y11884US00	US	11/1/2017	OTH	Sticky Score Augmenting a Machine Learning Model for Fraud Detection in Ads Click Streams	15/800,159	UTL	PENDING	11/1/2017		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11882US00	US	4/21/2017	OTH	Method And System For Managing Resource Utilization Based On Reinforcement Learning	15/493,880	UTL	PENDING	4/21/2017		
Y11881US00	US	12/4/2017	OTH	Understand User Interest Precisely and Quickly: Build User Profiles By Relevance Feedback	15/831,189	UTL	PENDING	12/4/2017		
Y11880US00	US	9/15/2017	OTH	Agent to Summarize Group Texts	15/705,478	UTL	PENDING	9/15/2017		
Y11879US00	US	7/21/2017	OTH	Method And System For Detecting Abnormal Online User Activity	15/656,411	UTL	PENDING	7/21/2017		
Y11878US00	US	10/26/2017	OTH	Method and System for Detecting Fraudulent Advertisement Activity	15/794,991	UTL	PENDING	10/26/2017		
Y11869US00	US	10/19/2017	OTH	Systems, Devices, And Methods For Content Indexing And Querying In A Search System	15/787,804	UTL	PENDING	10/19/2017		
Y11868US00	US	10/13/2017	OTH	Systems and Methods for User Propensity Classification and Online Auction Design	15/783,540	UTL	PENDING	10/13/2017		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11860US00	US	10/20/2017	OTH	System and Method for Automated Bidding Using Deep Neural Language Models	15/789,452	UTL	PENDING	10/20/2017		
Y11858US00	US	11/7/2017	OTH	Computerized System And Method For Automatically Performing An Implicit Message Search	15/805,471	UTL	PENDING	11/7/2017		
Y11856US01	US	5/9/2017	FCA	Method and System for providing Subscribe and Unsubscribe Recommendation	15/590,405	UTL	PENDING	4/27/2017		
Y11856US00	US	4/27/2017	OTH	Method And System For Providing Subscribe And Unsubscribe Recommendations	62/490,689	PRV	CONV PRV	4/27/2017		
Y11853US00	US	12/13/2017	OTH	Server Rack Integrated With Cold Air Delivery	15/841,255	UTL	PENDING	12/13/2017		
Y11851US00	US	9/12/2017	OTH	Exploration for Search Advertising	15/702,150	UTL	PENDING	9/12/2017		
Y11850US00	US	4/25/2017	OTH	Chat videos	15/496,109	UTL	PENDING	4/25/2017		
Y11845US00	US	5/9/2017	OTH	Method and System for Dynamic Score Floor Modeling and Application thereof	15/590,139	UTL	PENDING	5/9/2017		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11844US00	US	5/22/2017	OTH	Method And System For High Availability Topology For Master-Slave Data Systems With Low Write Traffic	15/601,403	UTL	PENDING	5/22/2017		
Y11843US00	US	6/15/2017	OTH	Computerized System And Method For Automatically Transforming And Providing Domain Specific Chatbot Responses	15/623,668	UTL	PENDING	6/15/2017		
Y11842US00	US	4/5/2017	OTH	METHOD AND SYSTEM FOR RECOMMENDING CONTENT ITEMS TO A USER BASED ON TENSOR FACTORIZATION	15/479,337	UTL	PENDING	4/5/2017		
Y11820US00	US	12/19/2017	OTH	Method and system for generating a time-lapse video	15/846,351	UTL	PENDING	12/19/2017		
Y11808US00	US	3/15/2017	OTH	Online user space exploration for recommendation	15/459,633	UTL	PENDING	3/15/2017		
Y11807US00	US	12/28/2017	OTH	Systems and/or Methods for Constructing Online Ads using Media Objects Created By Generative Processes	15/857,540	UTL	PENDING	12/28/2017		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11804US00	US	3/1/2017	OTH	Latent User Communities	15/446,913	UTL	PENDING	3/1/2017		
Y11803US00	US	4/10/2017	OTH	Automatic Peer To Peer Level Of Activity Information Maintenance And Sharing Method And Apparatus	15/483,320	UTL	PENDING	4/10/2017		
Y11800US01	US	2/24/2017	OTH	Method And System For Managing Resource Utilization Based On Reinforcement Learning	15/441,842	UTL	ABANDONED	1/27/2017		
Y11800US00	US	1/27/2017	OTH	Method And System For Managing Resource Utilization Based On Reinforcement Learning	15/417,335	UTL	ABANDONED	1/27/2017		
Y11796US00	US	8/2/2017	OTH	Method and System for Generating a Conversational Agent by Automatic Paraphrase Generation Based on Machine Translation	15/667,283	UTL	PENDING	8/2/2017		
Y11789US00	US	7/26/2017	OTH	Selective Orientation during Presentation of a Multidirectional Video	15/660,137	UTL	PENDING	7/26/2017		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11787US00	US	12/29/2016	OTH	Virtual Keyboard	15/394,159	UTL	PENDING	12/29/2016		
Y11782US00	US	3/6/2017	OTH	Method And System For Query Optimization	15/450,809	UTL	PENDING	3/6/2017		
Y11780US00	US	3/29/2017	OTH	Machine Learning Classification Of Digital Content For Mobile Devices	15/473,313	UTL	PENDING	3/29/2017		
Y11778US00	US	2/28/2017	OTH	Changing Machine Learning Classification Of Digital Content	15/444,912	UTL	PENDING	2/28/2017		
Y11776US00	US	2/28/2017	OTH	METHOD AND SYSTEM FOR SEARCH PROVIDER SELECTION BASED ON PERFORMANCE SCORES WITH RESPECT TO EACH SEARCH QUERY	15/444,569	UTL	PENDING	2/28/2017		
Y11774US00	US	1/31/2017	OTH	Computerized System And Method For Automatically Determining And Providing Digital Content Within An Electronic Communication System	15/421,033	UTL	PENDING	1/31/2017		
Y11770US00	US	2/15/2017	OTH	Method And System For Adaptive Online Updating Of Ad Related Models	15/433,030	UTL	PENDING	2/15/2017		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11767US00	US	12/22/2016	OTH	Method And System For Facilitating A User-machine Conversation	15/388,315	UTL	PENDING	12/22/2016		
Y11766US00	US	1/27/2017	OTH	Name-Based Classification Of Electronic Account Users	15/418,376	UTL	PENDING	1/27/2017		
Y11764US00	US	12/31/2016	OTH	Digital assistant	15/396,555	UTL	PENDING	12/31/2016		
Y11760US00	US	12/6/2016	OTH	Dynamic scan code generation	15/370,363	UTL	PENDING	12/6/2016		
Y11759US00	US	11/15/2016	OTH	Automated Image Ads	15/351,931	UTL	PENDING	11/15/2016		
Y11753US00	US	1/13/2017	OTH	Identifying Constructive Sub-Dialogues	15/406,565	UTL	PENDING	1/13/2017		
Y11750US00	US	6/16/2017	OTH	Video encoding with content adaptive resource allocation	15/625,009	UTL	PENDING	6/16/2017		
Y11749US00	US	12/6/2016	OTH	Method And System For Automatic Detection And Prevention Of Quality Issues In Online Experiments	15/370,697	UTL	PENDING	12/6/2016		
Y11747US00	US	12/27/2016	OTH	Method And System For Classifying Network Requests	15/391,716	UTL	PENDING	12/27/2016		
Y11742US00	US	11/15/2016	OTH	Volume control	15/351,627	UTL	PENDING	11/15/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11741US00	US	3/31/2017	OTH	Collaborative Personalization via Simultaneous Embedding of Users and their Preferences	15/476,685	UTL	PENDING	3/31/2017		
Y11740US00	US	11/7/2016	OTH	Tip generation	15/344,869	UTL	PENDING	11/7/2016		
Y11739US00	US	1/31/2017	OTH	Methods And Systems For Monitoring Viewable Impressions Of Online Content	15/421,052	UTL	PENDING	1/31/2017		
Y11738US00	US	1/31/2017	OTH	Methods And Systems For Processing Viewability Metrics	15/421,089	UTL	PENDING	1/31/2017		
Y11737US00	US	3/28/2017	OTH	Multilabel Learning via Supervised Joint Embedding of Documents and Labels	15/471,455	UTL	PENDING	3/28/2017		
Y11735US00	US	3/28/2017	OTH	Systems and Methods for Multiobjective Optimization	15/472,019	UTL	PENDING	3/28/2017		
Y11732US00	US	2/6/2017	OTH	Entity Disambiguation	15/425,978	UTL	PENDING	2/6/2017		
Y11728US01	US	11/23/2016	FCA	Local-Search Optimization and Pricing for Rich Ad Allocation	15/360,714	UTL	PENDING	10/24/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11728US00	US	10/24/2016	OTH	Local-Search Optimization and Pricing for Rich Ad Allocation	62/412,163	PRV	CONV PRV	10/24/2016		
Y11727US00	US	12/30/2016	OTH	Managing Under- And Over-represented Content Topics In Content Pools	15/394,995	UTL	PENDING	12/30/2016		
Y11726US00	US	1/13/2017	OTH	Scalable Multilingual Named-Entity Recognition	15/406,586	UTL	PENDING	1/13/2017		
Y11725US00	US	1/10/2017	OTH	Computerized System And Method For Automatically Generating And Providing Interactive Query Suggestions Within An Electronic Mail System	15/402,391	UTL	PENDING	1/10/2017		
Y11710US00	US	11/7/2016	OTH	Top-K query processing with conditional skips	15/345,277	UTL	PENDING	11/7/2016		
Y11708US00	US	10/24/2016	OTH	Clustering Of Geographical Content	15/332,838	UTL	PENDING	10/24/2016		
Y11703US00	US	9/14/2016	OTH	Baseline Interest Profile For Recommendations Using A Geographic Location	15/265,777	UTL	PENDING	9/14/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11701US00	US	9/29/2016	OTH	User Profile Expansion For Personalization and Recommendation	15/280,976	UTL	PENDING	9/29/2016		
Y11699US00	US	12/28/2017	OTH	Techniques and/or Systems To Manage Secure Network Connections	15/857,528	UTL	PENDING	12/28/2017		
Y11695US00	US	6/29/2016	OTH	Method And System For Querying Streaming Data	15/197,306	UTL	PUBLISHED	6/29/2016		
Y11689US00	US	10/31/2016	OTH	ASTS-less Block Redundant Electrical Topology with Variable UPS Walk-ins	15/339,830	UTL	PENDING	10/31/2016		
Y11682US00	US	10/31/2016	OTH	Method And System For Committing Transactions In A Semi-distributed Manner	15/338,761	UTL	PENDING	10/31/2016		
Y11672US00	US	7/1/2016	OTH	Automatic Social Media Content Timeline Summarization Method and Apparatus	15/200,922	UTL	PUBLISHED	7/1/2016		
Y11671US00	US	8/8/2016	OTH	Quality of location-related content	15/230,731	UTL	PENDING	8/8/2016		
Y11670US00	US	6/10/2016	OTH	Traveler recommendations	15/178,667	UTL	PUBLISHED	6/10/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11668US00	US	10/21/2016	OTH	Home Location Identification Using Grouped Location Data	15/331,083	UTL	PENDING	10/21/2016		
Y11646US00	US	9/30/2016	OTH	Computerized System And Method For Automatically Determining Malicious IP Clusters Using Network Activity Data	15/281,880	UTL	PENDING	9/30/2016		
Y11645US00	US	8/17/2016	OTH	Hybrid Classifier for Assigning Natural Language Processing (NLP) Inputs to Domains in Real-Time	15/239,219	UTL	PENDING	8/17/2016		
Y11644US00	US	10/4/2016	OTH	Online Ranking Of Queries For Sponsored Search	15/285,318	UTL	PENDING	10/4/2016		
Y11643US00	US	9/9/2016	OTH	Method And System For Facilitating A Guided Dialog Between A User And A Conversational Agent	15/260,596	UTL	PENDING	9/9/2016		
Y11639US00	US	9/22/2016	OTH	Method And System For Providing Query Suggestions Based On Personalized Spelling Correction	15/272,959	UTL	PENDING	9/22/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11630US00	US	7/13/2016	OTH	Computerized System And Method For Automatic Highlight Detection From Live Streaming Media And Rendering Within A Specialized Media Player	15/209,051	UTL	PENDING	7/13/2016		
Y11629US00	US	7/20/2016	OTH	Device Identification For Multiple Device IDS	15/215,090	UTL	PENDING	7/20/2016		
Y11625US00	US	7/7/2016	OTH	Selective content insertion into areas of media objects	15/204,450	UTL	PUBLISHED	7/7/2016		
Y11621US00	US	1/18/2017	OTH	Automatic Token Based Secure Content Streaming Method And Apparatus	15/408,713	UTL	PENDING	1/18/2017		
Y11620US00	US	9/22/2016	OTH	Method And System For Next Word Prediction	15/272,636	UTL	PENDING	9/22/2016		
Y11617US00	US	11/23/2016	OTH	Commentary generation	15/359,994	UTL	PENDING	11/23/2016		
Y11614US00	US	8/16/2016	OTH	Method And System For Multi-label Prediction	15/237,970	UTL	PENDING	8/16/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11613US00	US	4/1/2016	OTH	Computerized System And Method For Automatically Detecting And Rendering Highlights From Streaming Videos	15/088,792	UTL	PUBLISHED	4/1/2016		
Y11608US00	US	6/30/2016	OTH	Automatic Fantasy Sports Data Analysis Method and Apparatus	15/197,875	UTL	PUBLISHED	6/30/2016		
Y11598US00	US	7/29/2016	OTH	Detecting Abusive Language using Character N-gram Features	15/224,434	UTL	PENDING	7/29/2016		
Y11593US00	US	12/8/2016	OTH	Computerized System And Method For Automatically Sharing Device Pairing Credentials Across Multiple Devices	15/373,373	UTL	PENDING	12/8/2016		
Y11589US00	US	11/15/2016	OTH	Computerized System And Method For Automatically Providing Networked Devices Non-Native Functionality	15/351,482	UTL	PENDING	11/15/2016		
Y11585US00	US	4/21/2016	OTH	Content sharing recommendations	15/134,633	UTL	PUBLISHED	4/21/2016		
Y11578US00	US	8/29/2016	OTH	Method And System For Providing Query Suggestions	15/249,899	UTL	PENDING	8/29/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11573US00	US	9/9/2016	OTH	Headset visual displacement for motion correction	15/260,383	UTL	PENDING	9/9/2016		
Y11571US00	US	7/20/2016	OTH	Method And System For Concurrent Database Operation	15/214,901	UTL	PENDING	7/20/2016		
Y11554US00	US	12/29/2016	OTH	UDPing-continuous one-way monitoring of multiple network links	15/394,008	UTL	PENDING	12/29/2016		
Y11553US00	US	4/22/2016	OTH	Video monitoring	15/135,708	UTL	PUBLISHED	4/22/2016		
Y11550US00	US	5/11/2017	OTH	Automatic Online Activity Abuse Report Accuracy Prediction Method And Apparatus	15/592,703	UTL	PENDING	5/11/2017		
Y11547US00	US	6/30/2016	OTH	Fact Machine for User Generated Content	15/198,493	UTL	PUBLISHED	6/30/2016		
Y11542US00	US	6/23/2016	OTH	Computerized System And Method For Modifying A Media File By Automatically Applying Security Features To Select Portions Of Media File Content	15/190,315	UTL	PUBLISHED	6/23/2016		
Y11536US00	US	1/29/2016	OTH	Method and system for distributed deep machine learning	15/009,968	UTL	PUBLISHED	1/29/2016		
Y11535US00	US	4/19/2016	OTH	Mobile assistant	15/132,316	UTL	PUBLISHED	4/19/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11533US00	US	5/31/2016	OTH	Real Time Parsing and Suggestions from Pre-Generated Corpus with Hypernyms	15/169,101	UTL	PUBLISHED	5/31/2016		
Y11529US00	US	5/13/2016	OTH	Methods and Systems for Near Real-Time Lookalike Audience Expansion in Ads Targeting	15/154,613	UTL	PUBLISHED	5/13/2016		
Y11528US00	US	6/30/2016	OTH	Computerized Systems And Methods For Authenticating Users On A Network Device Via Dynamically Allocated Authenticating State Machines Hosted On A Computer Network	15/197,806	UTL	PUBLISHED	6/30/2016		
Y11527US00	US	6/17/2016	OTH	Method to enrich the browser cookies' attributes by graph propagation	15/186,019	UTL	PUBLISHED	6/17/2016		
Y11520US00	US	8/4/2016	OTH	Hybrid Grammatical and Ungrammatical Parsing	15/228,610	UTL	PENDING	8/4/2016		
Y11516US00	US	6/1/2016	OTH	Ranking Answers For On-line Community Questions	15/170,754	UTL	PUBLISHED	6/1/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11512US00	US	2/26/2016	OTH	Quality-based scoring and inhibiting of user-generated content	15/055,220	UTL	PUBLISHED	2/26/2016		
Y11506US00	US	6/22/2016	OTH	Generic card feature extraction based on card rendering as an Image	15/190,030	UTL	PENDING	6/22/2016		
Y11503US00	US	12/29/2016	OTH	Controlling Access To A Shared Resource	15/393,856	UTL	PENDING	12/29/2016		
Y11502US00	US	5/2/2016	OTH	Method And System For Providing Query Suggestions	15/144,196	UTL	PUBLISHED	5/2/2016		
Y11489US00	US	5/24/2016	OTH	Search across multiple user interfaces	15/163,224	UTL	PENDING	5/24/2016		
Y11472US01	US	5/4/2017	CON	Method and system for searching encrypted data	15/586,483	UTL	PUBLISHED	2/18/2016		
Y11472US00	US	2/18/2016	OTH	Method and system for searching encrypted data	15/047,003	UTL	ISSUED	2/18/2016	7/25/2017	9,715,546
Y11470US00	US	12/29/2015	OTH	User Verification	14/982,081	UTL	PUBLISHED	12/29/2015		
Y11462US00	US	5/13/2016	OTH	Automatic Video Segment Selection Method And Apparatus	15/154,038	UTL	PUBLISHED	5/13/2016		
Y11459US00	US	3/1/2016	OTH	Method and system for user profiling for content recommendation	15/057,487	UTL	PUBLISHED	3/1/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11454US00	US	7/7/2016	OTH	Method And System For Ranking Content Items Based On User Engagement Signals	15/204,009	UTL	PUBLISHED	7/7/2016		
Y11450US00	US	5/10/2016	OTH	System And Method For Relevance-based Electronic Message Presentation	15/150,918	UTL	PUBLISHED	5/10/2016		
Y11449US00	US	5/11/2016	OTH	Overall performance when a subsystem becomes overloaded	15/152,428	UTL	PENDING	5/11/2016		
Y11448US00	US	5/26/2016	OTH	Computerized System And Method For Optimizing The Display Of Electronic Content Card Information When Providing Users Digital Content	15/165,557	UTL	PENDING	5/26/2016		
Y11447US00	US	11/30/2015	OTH	Onboarding feature cues	14/954,010	UTL	PUBLISHED	11/30/2015		
Y11446US00	US	3/8/2016	OTH	Method and System for Digital Signature-based Adjustable One-time Passwords	15/063,752	UTL	PUBLISHED	3/8/2016		
Y11445US01	US	12/30/2015	FCA	Method And System For Interacting With A Touch Screen	14/983,762	UTL	PUBLISHED	10/27/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11445US00	US	10/27/2015	OTH	Method and System for Interacting with Content Target Webpage Performance	62/246,984	PRV	CONV PRV	10/27/2015		
Y11441US00	US	3/23/2016	OTH	Automated Connection Of Electronic Messaging And Social Networking Services Method And Apparatus	15/078,163	UTL	PUBLISHED	3/23/2016		
Y11437US00	US	8/16/2016	OTH	Automatic Electronic Message Content Rating Method And Apparatus	15/238,278	UTL	PENDING	8/16/2016		
Y11435US00	US	10/4/2016	OTH	Content presentation using a device set	15/285,166	UTL	PENDING	10/4/2016		
Y11434US01	US	6/1/2016	CIP	Content prefetching and cache management	15/170,249	UTL	PENDING	12/29/2015		
Y11434US00	US	12/29/2015	OTH	Electronic Message Composition Support Method and Apparatus	14/982,136	UTL	PUBLISHED	12/29/2015		
Y11433US00	US	3/3/2016	OTH	Method And System For Presenting Personalized Products Based On Digital Signage For Electronic Commerce	15/059,596	UTL	PUBLISHED	3/3/2016		
Y11432US00	US	5/23/2016	OTH		15/162,022	UTL	PUBLISHED	5/23/2016		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11427US00	US	12/31/2015	OTH	Computerized System And Method For Modifying A Message To Apply Security Features To The Message's Content	14/985,844	UTL	PUBLISHED	12/31/2015		
Y11425US00	US	12/23/2015	OTH	Method and System for Automatic Formality Transformation	14/757,423	UTL	PUBLISHED	12/23/2015		
Y11421US00	US	12/23/2015	OTH	Method and system for automatic formality classification	14/757,446	UTL	PUBLISHED	12/23/2015		
Y11420US00	US	2/9/2016	OTH	Content-based video representation	15/019,934	UTL	PUBLISHED	2/9/2016		
Y11416US00	US	11/12/2015	OTH	Method and System for Providing advertisements based on Semantic Representations	14/938,956	UTL	PUBLISHED	11/12/2015		
Y11414US00	US	1/28/2016	OTH	Pointer Activity As An Indicator Of Interestingness In Video	15/008,711	UTL	PENDING	1/28/2016		
Y11408US01	US	5/22/2015	CON	Alternate page determination for a requested target page	14/720,298	UTL	ISSUED	9/12/2011	10/17/2017	9,792,382

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11408US00	US	9/12/2011	OTH	Alternate page determination for a requested target page	13/230,681	UTL	ISSUED	9/12/2011	5/26/2015	9,043,434
Y11404US00	US	11/4/2016	OTH	Subscription transfer	15/343,928	UTL	PENDING	11/4/2016		
Y11400US00	US	12/15/2015	OTH	Computerized System And Method For Determining And Communicating Media Content To A User Based On A Physical Location Of The User	14/969,795	UTL	PUBLISHED	12/15/2015		
Y11399US00	US	5/23/2016	OTH	Virtual chat rooms	15/161,672	UTL	PUBLISHED	5/23/2016		
Y11397US00	US	9/25/2015	OTH	Personalized audio introduction and summary of result sets for users	14/866,514	UTL	PENDING	9/25/2015		
Y11396US01	US	11/24/2015	FCA	Method and System for Merging Data	14/949,932	UTL	PUBLISHED	9/2/2015		
Y11396US00	US	9/2/2015	OTH	Method and System for Merging Data	62/213,554	PRV	CONV PRV	9/2/2015		
Y11394US01	US	10/5/2015	OTH	METHODS, SYSTEMS AND TECHNIQUES FOR RANKING BLENDED CONTENT RETRIEVED FROM MULTIPLE DISPARATE CONTENT SOURCES	14/875,219	UTL	PUBLISHED	10/5/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11394US00	US	10/5/2015	OTH	METHODS, SYSTEMS AND TECHNIQUES FOR BLENDING ONLINE CONTENT FROM MULTIPLE DISPARATE CONTENT SOURCES INCLUDING A PERSONAL CONTENT SOURCE OR A SEMI-PERSONAL CONTENT SOURCE	14/875,186	UTL	PUBLISHED	10/5/2015		
Y11390US00	US	9/28/2015	OTH	Continuity of Experience Card for Index	14/867,755	UTL	PENDING	9/28/2015		
Y11387US00	US	10/5/2015	OTH	Method and System for Dynamically Generating a Card	14/874,598	UTL	PUBLISHED	10/5/2015		
Y11386US00	US	10/5/2015	OTH	Method and System for Generating a Card Based on Intent	14/874,627	UTL	ISSUED	10/5/2015	9/19/2017	9,767,400
Y11385US01	US	10/5/2015	OTH	Method and System for Searching in a Person-Centric Space	14/874,576	UTL	PUBLISHED	10/5/2015		
Y11385US00	US	10/5/2015	OTH	Method and System for Associating Data from Different Sources to Generating a Person-Centric Space	14/874,566	UTL	PUBLISHED	10/5/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11384US00	US	4/15/2016	OTH	Method and System for Rewriting a Query	15/130,217	UTL	PUBLISHED	4/15/2016		
Y11383US00	US	9/28/2015	OTH	Predicting Locations for Web Pages and Related Techniques	14/868,154	UTL	PENDING	9/28/2015		
Y11382US01	US	10/5/2015	OTH	Method and System for Providing Synthetic Answers to a Personal Question	14/874,852	UTL	PUBLISHED	10/5/2015		
Y11382US00	US	10/5/2015	OTH	Method and System for Classifying a Question	14/874,926	UTL	PUBLISHED	10/5/2015		
Y11381US00	US	10/5/2015	OTH	METHOD AND SYSTEM FOR INTENT-DRIVEN SEARCHING	14/874,547	UTL	PUBLISHED	10/5/2015		
Y11380US00	US	9/25/2015	OTH	Privacy aware sharing implicit and explicit personal preferences for group planning	14/866,505	UTL	PENDING	9/25/2015		
Y11379US00	US	9/25/2015	OTH	Auto extraction of tasks from unstructured communications such as emails and messages	14/866,508	UTL	PENDING	9/25/2015		
Y11378US00	US	10/5/2015	OTH	Method and System for Generating a knowledge Representation	14/874,768	UTL	PUBLISHED	10/5/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11377US02	US	10/5/2015	OTH	Methods, Systems and Techniques for Ranking Personalized and Generic Search Query Suggestions	14/875,072	UTL	PUBLISHED	10/5/2015		
Y11377US01	US	10/5/2015	OTH	Methods, Systems and Techniques for Personalized Search Query Suggestions	14/875,034	UTL	PUBLISHED	10/5/2015		
Y11377US00	US	10/5/2015	OTH	Methods, Systems and Techniques for Providing Search Query Suggestions Based on Non-Personal Data and User Personal Data According to Availability of User Personal Data	14/874,996	UTL	PUBLISHED	10/5/2015		
Y11376US00	US	9/28/2015	OTH	Location-sensitive ranking for search and related Techniques	14/868,135	UTL	PENDING	9/28/2015		
Y11375US00	US	10/5/2015	OTH	METHOD AND SYSTEM FOR UPDATING AN INTENT SPACE AND ESTIMATING INTENT BASED ON AN INTENT SPACE	14/874,543	UTL	PUBLISHED	10/5/2015		
Y11374US00	US	9/25/2015	OTH	Programmatic Native Rendering of Structured Content	14/866,388	UTL	PENDING	9/25/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11372US00	US	9/25/2015	OTH	Region of search based on context	14/866,382	UTL	PENDING	9/25/2015		
Y11370US00	US	10/5/2015	OTH	Method and System for Entity extraction and Disambiguation	14/874,814	UTL	PUBLISHED	10/5/2015		
Y11369US00	US	2/1/2016	OTH	Scalable Conflict Detection in Transaction Management	15/012,250	UTL	PUBLISHED	2/1/2016		
Y11367US01	US	10/5/2015	OTH	Method and System for Online Task Exchange	14/874,528	UTL	PUBLISHED	10/5/2015		
Y11367US00	US	10/5/2015	OTH	Method and System for Automatically Generating and Completing a Task	14/874,512	UTL	PUBLISHED	10/5/2015		
Y11366US00	US	8/31/2016	OTH	Building Profiles For Clusters With Smart Union Of Individual Profiles	15/253,062	UTL	PENDING	8/31/2016		
Y11364US00	US	12/30/2015	OTH	Computerized System And Method For Augmenting Search Terms For Increased Efficiency And Effectiveness In Identifying Content	14/984,300	UTL	PUBLISHED	12/30/2015		
Y11362US00	US	12/30/2015	OTH	Method and system for recommending content	14/983,663	UTL	PUBLISHED	12/30/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11359US01	US	6/30/2017	CON	User classification based upon images	15/638,997	UTL	PUBLISHED	10/6/2015		
Y11359US00	US	10/6/2015	OTH	User classification based upon images	14/875,943	UTL	ISSUED	10/6/2015	7/11/2017	9,704,045
Y11358US00	US	4/14/2016	OTH	Method And System For Distributed Machine Learning	15/098,415	UTL	PUBLISHED	4/14/2016		
Y11353US00	US	2/9/2016	OTH	Scalable and Effective Document Summarization Framework	15/019,646	UTL	PUBLISHED	2/9/2016		
Y11352US00	US	8/31/2017	OTH	Sub-Account Management	15/692,149	UTL	PENDING	8/31/2017		
Y11348US00	US	9/9/2015	OTH	User action prediction	14/849,008	UTL	PUBLISHED	9/9/2015		
Y11347US00	US	12/30/2015	OTH	Filtering Machine For Sponsored Content	14/984,853	UTL	PUBLISHED	12/30/2015		
Y11343US00	US	9/10/2015	OTH	Methods And Systems For Generating And Providing Immersive 3D Displays	14/850,050	UTL	PUBLISHED	9/10/2015		
Y11342US00	US	11/16/2015	OTH	Orientation Selection	14/941,924	UTL	PUBLISHED	11/16/2015		
Y11341US00	US	12/15/2015	OTH	Enforcing Anonymity in the Auditing of Electronic Documents	14/969,201	UTL	PUBLISHED	12/15/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11335US00	US	12/30/2015	OTH	Mobile searches utilizing a query-goal-mission structure	14/984,357	UTL	PUBLISHED	12/30/2015		
Y11334US00	US	12/30/2015	OTH	Query-goal-mission structures	14/984,172	UTL	PUBLISHED	12/30/2015		
Y11333US00	US	10/15/2015	OTH	User interface generation	14/883,900	UTL	PUBLISHED	10/15/2015		
Y11332US00	US	11/18/2015	OTH	Preview of Compressed File Email Attachments	14/945,415	UTL	PENDING	11/18/2015		
Y11328US00	US	11/20/2015	OTH	Weather presentation	14/946,882	UTL	ISSUED	11/20/2015	10/31/2017	9,807,550
Y11327US00	US	3/7/2017	OTH	Computerized System And Method For Automatically Identifying And Providing Digital Content Based On Physical Geographic Location Data	15/451,819	UTL	PENDING	3/7/2017		
Y11325US00	US	7/18/2016	OTH	User subscription to content	15/212,383	UTL	PUBLISHED	7/18/2016		
Y11322US00	US	11/20/2015	OTH	Location-Based Recommendations Using Nearest Neighbors In A Locality Sensitive Hashing (LSH) Index	14/948,213	UTL	PUBLISHED	11/20/2015		
Y11317US00	US	12/29/2015	OTH	System and Method For User Model based on App Behavior	14/982,997	UTL	PUBLISHED	12/29/2015		
Y11310US00	US	12/31/2015	OTH	On-Line Content Sampling	14/986,180	UTL	PUBLISHED	12/31/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11308US00	US	3/18/2016	OTH	System and Method of Content Selection Using Selection Activity in Digital Messaging	15/074,585	UTL	PUBLISHED	3/18/2016		
Y11306US00	US	10/5/2015	OTH	Computerized System And Method For Determining Applications On A Device For Serving Media	14/875,048	UTL	PUBLISHED	10/5/2015		
Y11305US00	US	10/19/2015	OTH	Computerized System and Method for Automatically Creating and Applying a Filter to Alter the Display of Rendered Media	14/886,645	UTL	PENDING	10/19/2015		
Y11304US00D2	US	10/12/2015	OTH	Display Screen With Graphical User Interface	29/542,172	DES	ISSUED	10/12/2015	12/13/2016	D774,056
Y11304US00D1	US	10/12/2015	OTH	Display Screen with a Media Application User Interface Displaying a Confirmation Page of Installed Applications	29/542,178	DES	ISSUED	10/12/2015	10/31/2017	D801356

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11304US00	US	10/7/2015	OTH	Computerized System And Method For Determining Media Based On Selected Motion Video Inputs	14/877,201	UTL	PUBLISHED	10/7/2015		
Y11303US00	US	12/15/2015	OTH	Method and System for Tracking Events in Distributed High-Throughput Applications	14/969,558	UTL	PUBLISHED	12/15/2015		
Y11296US00	US	3/28/2016	OTH	Video Content Deep Diving	15/082,334	UTL	PUBLISHED	3/28/2016		
Y11293US00	US	9/15/2015	OTH	Identifying Users' Identity Through Tracking Common Activity	14/854,726	UTL	PENDING	9/15/2015		
Y11292US01	US	10/23/2017	CON	Computerized System and Method for Automatically Extracting GIFS from Videos	15/791,124	UTL	PENDING	11/5/2015		
Y11292US00	US	11/5/2015	OTH	Computerized System and Method for Automatically Extracting GIFS from Videos	14/933,397	UTL	ISSUED	11/5/2015	10/24/2017	9,799,373
Y11288US00	US	9/2/2015	OTH	Computerized System And Method For Formatted Transcription Of Multimedia Content	14/843,185	UTL	PUBLISHED	9/2/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11286US00	US	12/30/2015	OTH	Finding Related Articles For A Content Stream Using Iterative Merge-Split Clusters	14/985,302	UTL	PENDING	12/30/2015		
Y11285US00	US	10/23/2015	OTH	Method to automatically update a Homescreeen	14/921,983	UTL	PUBLISHED	10/23/2015		
Y11284US00	US	12/21/2015	OTH	Decentralized cards platform for showing contextual cards in a stream	14/977,390	UTL	PENDING	12/21/2015		
Y11277US00	US	12/22/2015	OTH	Weighted Pseudo-Random Digital Content Selection	14/979,085	UTL	PUBLISHED	12/22/2015		
Y11274US00	US	9/17/2015	OTH	Smart Exploration Methods For Mitigating Item Cold-Start Problem In Collaborative Filtering Recommendation Systems	14/857,258	UTL	PENDING	9/17/2015		
Y11273US00	US	6/30/2016	OTH	Automatic Canonical Digital Image Selection Method and Apparatus	15/198,295	UTL	PUBLISHED	6/30/2016		
Y11270US00	US	9/22/2015	OTH	In-Context Translation Review	14/860,919	UTL	PUBLISHED	9/22/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11266US00	US	12/4/2015	OTH	System and Method for Mobile Device Location Tracking with a Communication Event Trigger in a Wireless Network	14/959,277	UTL	PUBLISHED	12/4/2015		
Y11265US00	US	11/30/2015	OTH	Generating Actionable Suggestions for Improving User Engagement with Online Advertisements	14/954,118	UTL	PUBLISHED	11/30/2015		
Y11263US00	US	12/31/2015	OTH	Content-Adaptive Digital Content Adjustment Method And System	14/985,692	UTL	PUBLISHED	12/31/2015		
Y11260US00	US	7/25/2016	OTH	Emotional reaction sharing	15/218,268	UTL	PENDING	7/25/2016		
Y11257US00	US	9/29/2015	OTH	Computerized System And Method For Search Query Auto-Completion	14/869,435	UTL	PUBLISHED	9/29/2015		
Y11256US00	US	8/25/2015	OTH	Recyclable Private Memory Heaps for Dynamic Search Indexes	14/835,522	UTL	PENDING	8/25/2015		
Y11249US00	US	11/18/2015	OTH	Method for approximate K-nearest-neighbor search on parallel hardware accelerators	14/945,221	UTL	PENDING	11/18/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11247US00	US	5/23/2016	OTH	Computerized System And Method For Automatically Creating And Communicating Media Streams Of Digital Content	15/161,883	UTL	PENDING	5/23/2016		
Y11246US00	US	10/2/2015	OTH	Systems and Methods for Establishing and Utilizing a Hierarchical Bayesian Framework for Ad Click Through Rate Prediction	14/874,153	UTL	PENDING	10/2/2015		
Y11245US00	US	4/11/2016	OTH	Content Subject Suggestions	15/095,364	UTL	PUBLISHED	4/11/2016		
Y11241US01	US	10/25/2016	CON	Content Compression and/or Decompression	15/334,046	UTL	ISSUED	10/29/2015	10/10/2017	9,787,322
Y11241US00	US	10/29/2015	OTH	Content Compression and/or Decompression	14/926,541	UTL	ISSUED	10/29/2015	11/15/2016	9,496,893
Y11237US00	US	11/25/2015	OTH	Systems and Methods for Ad Placement in Content Streams	14/951,683	UTL	PUBLISHED	11/25/2015		
Y11233US00	US	9/14/2015	OTH	Method and System for Exchanging Cryptographic Keys with an Unauthenticated Device	14/853,087	UTL	PUBLISHED	9/14/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11226US00	US	10/6/2015	OTH	Fantasy Sports Data Analysis For Game Structure Development	14/876,101	UTL	PUBLISHED	10/6/2015		
Y11222US00	US	12/8/2017	OTH	Controlling a graphical user interface using a prediction of a messaging action of a messaging account	15/835,613	UTL	PENDING	12/8/2017		
Y11221US00	US	11/30/2017	OTH	User login/access through fingerprint authentication from cell phones	15/826,844	UTL	PENDING	11/30/2017		
Y11220US00	US	8/21/2015	OTH	Content selection	14/832,115	UTL	PUBLISHED	8/21/2015		
Y11211US00	US	3/18/2016	OTH	Computerized System and Method for High-Quality and High-Ranking Digital Content Discovery	15/074,028	UTL	PUBLISHED	3/18/2016		
Y11203US00	US	8/17/2015	OTH	Locale of interest identification	14/827,592	UTL	PUBLISHED	8/17/2015		
Y11200US01	US	2/28/2017	CON	System And Method For Device Positioning With Bluetooth Low Energy Distributions	15/445,309	UTL	PUBLISHED	8/25/2015		
Y11200US00	US	8/25/2015	OTH	System And Method For Device Positioning With Bluetooth Low Energy Distributions	14/834,582	UTL	ISSUED	8/25/2015	3/21/2017	9,602,956

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11194US00	US	12/8/2015	OTH	Method and System for Providing Context Based Query Suggestions	14/962,081	UTL	PUBLISHED	12/8/2015		
Y11191US00	US	11/23/2015	OTH	Selective Screen Sharing	14/949,024	UTL	PUBLISHED	11/23/2015		
Y11190US00	US	6/30/2015	OTH	Systems and Methods For Mobile Campaign Optimization Without Knowing User Identity	14/788,227	UTL	PUBLISHED	6/30/2015		
Y11186US00	US	11/12/2015	OTH	Method and System for Data Assignment in a Distributed System	14/938,990	UTL	PUBLISHED	11/12/2015		
Y11179US00	US	1/27/2016	OTH	Computerized system and method for determining and displaying message content in a user's inbox	15/007,401	UTL	PUBLISHED	1/27/2016		
Y11178US00	US	4/29/2015	OTH	Computerized System and Method for Selectively Communicating HTML Content to a User's Inbox as a Native Message	14/699,378	UTL	PUBLISHED	4/29/2015		
Y11177US00	US	11/30/2015	OTH	Locally Optimized Feature Space Encoding of Digital Data and Retrieval Using Such Encoding	14/953,925	UTL	ISSUED	11/30/2015	5/23/2017	9,659,214

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11165US00	US	9/22/2015	OTH	Method and system for sharing personal information with web sites	14/861,973	UTL	PENDING	9/22/2015		
Y11164US00	US	9/24/2015	OTH	Method for accessing an online account after the owner's death	14/864,706	UTL	PENDING	9/24/2015		
Y11162US00	US	11/17/2015	OTH	Method and System for User Authentication based on a Visual Representation of User Location	14/943,197	UTL	PUBLISHED	11/17/2015		
Y11161US00	US	10/29/2015	OTH	Automated Personalized Electronic Message Composition	14/926,382	UTL	PENDING	10/29/2015		
Y11157US00	US	10/1/2015	OTH	Webpage navigation utilizing audio commands	14/872,224	UTL	ISSUED	10/1/2015	1/9/2018	9,865,261
Y11156US00	US	9/17/2015	OTH	Content identification	14/857,297	UTL	PUBLISHED	9/17/2015		
Y11155US01	US	12/28/2017	CON	Methods For Identifying Multiple Devices Belonging to the Same Group	15/856,801	UTL	PENDING	4/30/2015		
Y11155US00	US	4/30/2015	OTH	Methods For Identifying Multiple Devices Belonging to the Same Group	14/700,616	UTL	ISSUED	4/30/2015	1/9/2018	9,864,999

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11154US00	US	4/30/2015	OTH	Method and System for Blocking Malicious Third Party Site Tagging	14/700,456	UTL	PUBLISHED	4/30/2015		
Y11150US00	US	10/13/2015	OTH	Fraud prevention	14/881,316	UTL	ISSUED	10/13/2015	10/3/2017	9,781,132
Y11147US00	US	6/30/2015	OTH	Methods and Systems for Detecting and Recognizing Text from Images	14/755,817	UTL	PUBLISHED	6/30/2015		
Y11146US00	US	8/30/2016	OTH	Computerized System And Method For Automatically Generating High-quality Digital Content Thumbnails From Digital Video	15/250,990	UTL	PENDING	8/30/2016		
Y11144US00	US	12/22/2015	OTH	Size-Optimized Data Interchange Method And System	14/978,560	UTL	PUBLISHED	12/22/2015		
Y11139US00	US	6/30/2015	OTH	Method and System for Providing Content Supply Adjustment	14/755,483	UTL	PUBLISHED	6/30/2015		
Y11136US00	US	10/2/2015	OTH	Exploration of Real-Time Advertising Decisions	14/873,757	UTL	PUBLISHED	10/2/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11135US00	US	6/30/2015	OTH	Method and System for Analyzing User Behavior Associated with Web Contents	14/755,399	UTL	PUBLISHED	6/30/2015		
Y11126US01	US	12/4/2015	FCA	Method and System for Ranking Search Content	14/959,122	UTL	PUBLISHED	5/15/2015		
Y11126US00	US	5/15/2015	OTH	Method and System for Ranking Search Content	62/162,181	PRV	CONV PRV	5/15/2015		
Y11124US00	US	6/25/2015	OTH	User interface adjustment methods and systems	14/749,799	UTL	PUBLISHED	6/25/2015		
Y11123US00	US	5/13/2015	OTH	Content overlay for social network posts	14/711,711	UTL	PUBLISHED	5/13/2015		
Y11118US00	US	9/11/2015	OTH	Method and System for Dynamically Providing Advertisements for Comparison	14/851,214	UTL	PUBLISHED	9/11/2015		
Y11113US00	US	12/11/2015	OTH	Authentication vectors	14/967,016	UTL	PENDING	12/11/2015		
Y11112US01	US	12/1/2015	FCA	On Demand Passwords	14/956,224	UTL	PUBLISHED	3/13/2015		
Y11112US00	US	3/13/2015	OTH	On Demand Passwords	62/133,189	PRV	CONV PRV	3/13/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11105US00	US	4/13/2016	OTH	Method And System For Selecting Supplemental Content Using Visual Appearance	15/097,658	UTL	PUBLISHED	4/13/2016		
Y11103US01	US	5/19/2017	DIV	Computerized Method And System For Automated Determination of High Quality Digital Content	15/599,525	UTL	PUBLISHED	8/3/2015		
Y11103US00	US	8/3/2015	OTH	Computerized Method And System For Automated Determination Of High Quality Digital Content	14/816,516	UTL	ISSUED	8/3/2015	6/6/2017	9,672,445
Y11102US00	US	9/28/2015	OTH	Multi-Touch Gesture Search	14/867,695	UTL	PUBLISHED	9/28/2015		
Y11099US00	US	11/2/2015	OTH	Content Recommendation	14/930,218	UTL	PUBLISHED	11/2/2015		
Y11087US00	US	4/9/2015	OTH	Topical Based Media Content Summarization System And Method	14/682,654	UTL	PUBLISHED	4/9/2015		
Y11081US00	US	6/4/2015	OTH	Image searching	14/730,476	UTL	PUBLISHED	6/4/2015		
Y11077US00	US	5/20/2015	OTH	System and Method for Authenticating Users Across Devices	14/717,013	UTL	PUBLISHED	5/20/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11068US00	US	7/21/2015	OTH	Methods and systems for determining query date ranges	14/804,835	UTL	PUBLISHED	7/21/2015		
Y11065US00	US	9/18/2015	OTH	Face Detection	14/859,040	UTL	ISSUED	9/18/2015	12/26/2017	9,852,492
Y11064US00	US	3/31/2015	OTH	Auto-creation of application passwords	14/675,419	UTL	PENDING	3/31/2015		
Y11057US00	US	4/20/2015	OTH	Management of transactions in a distributed transaction system	14/691,310	UTL	PUBLISHED	4/20/2015		
Y11055US01	US	9/7/2017	CON	Mobile Ghosting	15/698,275	UTL	PENDING	4/9/2015		
Y11055US00	US	4/9/2015	OTH	Mobile Ghosting	14/682,751	UTL	ISSUED	4/9/2015	9/12/2017	9,763,024
Y11043US00	US	5/12/2015	OTH	Predicting content consumption	14/710,096	UTL	PUBLISHED	5/12/2015		
Y11041US00	US	12/15/2015	OTH	Method and System for Mapping Notable Entities to Their Social Profiles	14/969,225	UTL	PUBLISHED	12/15/2015		
Y11039US00	US	6/9/2015	OTH	Outlier Data Detection	14/734,515	UTL	PUBLISHED	6/9/2015		
Y11038US00	US	12/7/2015	OTH	Method and system for sponsored search results placement in a search results page	14/896,590	UTL	PUBLISHED	6/9/2015		
Y11033US02	US	2/23/2011	OTH	Animating Changes in Content Layout	13/033,552	UTL	ABANDONED	2/23/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11033US01	US	2/23/2011	OTH	Aminating Changes in Content Layout	13/033,555	UTL	ABANDONED	2/23/2010		
Y11033US00	US	2/23/2010	OTH	Animating Changes in Content Layout	61/307,331	PRV	CONV PRV	2/23/2010		
Y11032US00	US	5/18/2015	OTH	System and Method for Editing Dynamically Aggregated Data	14/715,012	UTL	PUBLISHED	5/18/2015		
Y11028US00	US	9/9/2015	OTH	On-line Account Recovery	14/849,320	UTL	PUBLISHED	9/9/2015		
Y11026US00	US	10/7/2014	OTH	Fixed-Delay Storage System and Its Application To Networked Advertisement Exchange	14/508,944	UTL	PUBLISHED	10/7/2014		
Y11025US00	US	10/7/2014	OTH	Mitigation of Failures in an Online Advertising Network	14/508,942	UTL	PUBLISHED	10/7/2014		
Y11023US00	US	5/22/2015	OTH	Computerized System and Method for Determining Authenticity of Users Via Facial Recognition	14/719,654	UTL	PUBLISHED	5/22/2015		
Y11007US00	US	5/25/2015	OTH	Triggering method for Instant Search	14/720,867	UTL	PUBLISHED	5/25/2015		
Y11006US00	US	9/4/2015	OTH	Multi-Source Content Blending	14/846,618	UTL	PUBLISHED	9/4/2015		
Y11003US01	US	5/22/2015	FCA	Incremental Data Processing	14/720,448	UTL	PUBLISHED	5/28/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y11003US00	US	5/28/2014	OTH	INCREMENTAL DATA PROCESSING Multi-Protocol Interactive Mobile Video Advertising	62/004,116	PRV	CONV PRV	5/28/2014		
Y11002US01	US	10/23/2014	FCA		14/522,470	UTL	PUBLISHED	10/24/2013		
Y11002US00	US	10/24/2013	OTH	MULTI-PROTOCOL INTERACTIVE MOBILE VIDEO ADVERTISING	61/895,400	PRV	CONV PRV	10/24/2013		
Y11001US01	US	2/3/2015	FCA	Tracking And Measurement Enhancements In A Real-Time Advertisement Bidding System	14/612,758	UTL	PUBLISHED	2/3/2014		
Y11001US00	US	2/3/2014	OTH	TRACKING AND MEASUREMENT ENHANCEMENTS IN A REALTIME ADVERTISEMENT BIDDING SYSTEM	61/935,320	PRV	CONV PRV	2/3/2014		
Y11000US01	US	11/6/2014	FCA	Client-Side Scout and Companion In A Real-Time Bidding Advertisement System	14/535,077	UTL	PUBLISHED	11/6/2013		
Y11000US00	US	11/6/2013	OTH	CLIENT-SIDE SCOUT AND COMPANION IN A REAL-TIME BIDDING ADVERTISEMENT SYSTEM	61/900,902	PRV	CONV PRV	11/6/2013		
Y10999US01	US	1/29/2015	FCA	Qualitative User Assessment In Online Video Advertising	14/608,992	UTL	PUBLISHED	1/29/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10999US00	US	1/29/2014	OTH	QUALITATIVE USER ASSESSMENT IN ONLINE VIDEO ADVERTISING	61/932,983	PRV	CONV PRV	1/29/2014		
Y10998US01	US	1/28/2015	FCA	Real Time Pacing of Online Video Advertisements	14/607,638	UTL	PUBLISHED	1/28/2014		
Y10998US00	US	1/28/2014	OTH	REAL TIME PACING OF ONLINE VIDEO ADVERTISEMENTS	61/932,755	PRV	CONV PRV	1/28/2014		
Y10997US00	US	8/28/2014	OTH	CONTROLLING EFFECTIVENESS OF ONLINE VIDEO ADVERTISEMENT CAMPAIGN	14/472,287	UTL	PUBLISHED	8/28/2014		
Y10996US01	US	7/21/2014	FCA	Real Time Debugging In Online Video Advertisement System	14/337,110	UTL	PUBLISHED	7/19/2013		
Y10996US00	US	7/19/2013	OTH	REAL TIME DEBUGGING IN ONLINE VIDEO ADVERTISEMENT SYSTEM	61/856,529	PRV	CONV PRV	7/19/2013		
Y10995US01	US	3/14/2014	OTH	Mobile Creative Management System	14/214,618	UTL	PUBLISHED	3/15/2013		
Y10995US00	US	3/15/2013	OTH	MOBILE CREATIVE MANAGEMENT SYSTEM	61/788,899	PRV	CONV PRV	3/15/2013		
Y10994US01	US	3/14/2014	OTH	Geo, Segment, Uniques Distributed Computing System	14/214,547	UTL	PUBLISHED	3/15/2013		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10994US00	US	3/15/2013	OTH	GEO, SEGMENT, UNIQES DISTRIBUTED COMPUTING SYSTEM	61/801,712	PRV	CONV PRV	3/15/2013		
Y10993US01	US	3/17/2014	OTH	Compact Data Interface For Real Time Bidding In Digital Video Advertisement Systems	14/217,006	UTL	PUBLISHED	3/15/2013		
Y10993US00	US	3/15/2013	OTH	COMPACT DATA INTERFACE FOR REAL TIME BIDDING	61/800,845	PRV	CONV PRV	3/15/2013		
Y10992US01	US	3/14/2014	OTH	Audited Pipelined Distributed System For Video Advertisement Exchanges	14/214,431	UTL	ISSUED	3/15/2013	10/4/2016	9,462,354
Y10992US00	US	3/15/2013	OTH	PIPELINED DISTRIBUTED SYSTEM FOR VIDEO ADVERTISEMENTS	61/799,818	PRV	CONV PRV	3/15/2013		
Y10991US00	US	11/30/2010	OTH	NETWORKED ADVERTISEMENT EXCHANGE	12/956,888	UTL	PUBLISHED	11/30/2010		
Y10981US00	US	2/27/2015	OTH	Systems and Methods For Instant Generation of Human Understandable Audience Insights	14/634,463	UTL	PUBLISHED	2/27/2015		
Y10980US00	US	3/18/2015	OTH	Techniques for Modeling Aggregation Records	14/661,979	UTL	PUBLISHED	3/18/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10977US02	US	12/4/2017	CON	Virtualization input component	15/830,462	UTL	PENDING	2/18/2015		
Y10977US01	US	1/30/2017	CON	Virtualization input component	15/419,027	UTL	ISSUED	2/18/2015	12/5/2017	9,836,621
Y10977US00	US	2/18/2015	OTH	Virtualization input component	14/625,213	UTL	ISSUED	2/18/2015	1/31/2017	9,558,367
Y10974US00	US	4/16/2015	OTH	Location sharing	14/688,267	UTL	PUBLISHED	4/16/2015		
				Systems and Methods for Online Content Recommendation						
Y10972US00	US	6/24/2015	OTH		14/748,333	UTL	PENDING	6/17/2015		
				Method and system for data recovery in a data system						
Y10963US00	US	4/21/2015	DCA		14/437,300	UTL	PUBLISHED	4/3/2015		
				Boosted Deep Convolutional Neural Networks (CNNs)						
Y10959US00	US	8/7/2015	OTH		14/820,972	UTL	ISSUED	8/7/2015	10/31/2017	9,805,305
				Method and/or System for Recommender System						
Y10958US00	US	8/26/2015	OTH		14/836,692	UTL	PUBLISHED	8/26/2015		
				Mobile Visual Search Using Deep Variant Coding						
Y10957US00	US	5/18/2015	OTH		14/715,246	UTL	PENDING	5/18/2015		
				Method and System for Monitoring Data Quality and Dependency						
Y10956US00	US	4/20/2015	DCA		14/436,939	UTL	PUBLISHED	4/3/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10952US00	US	6/30/2015	OTH	Method and Apparatus for Predicting Unwanted Electronic Messages for a User	14/755,518	UTL	PUBLISHED	6/30/2015		
Y10951US00	US	4/20/2015	DCA	Method and system for scheduling transactions in a data system	14/436,935	UTL	PUBLISHED	4/3/2015		
Y10950US01	US	2/13/2015	FCA	Automatic Group Formation and Group Detection through Media Recognition	14/622,223	UTL	PUBLISHED	2/13/2014		
Y10950US00	US	2/13/2014	OTH	Automatic Group Formation and Group Detection through Media Recognition	61/939,603	PRV	CONV PRV	2/13/2014		
Y10949US00	US	10/23/2013	OTH	Media Contextualization for Efficient Search, Discovery, and Organization	61/894,419	PRV	EXPIRED	10/23/2013		
Y10947US01	US	11/24/2014	CON	Browsing multiple images using perspective distortion and scrolling	14/552,358	UTL	PEND ABAND	11/3/2009		
Y10947US00	US	11/3/2009	OTH	Browsing multiple images using perspective distortion and scrolling	12/590,187	UTL	PENDING	11/3/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10946US00	US	6/3/2015	OTH	System and Method for Automatic Storyline Construction Based on Determined Breaking News	14/729,512	UTL	PUBLISHED	6/3/2015		
Y10945US04	US	10/6/2015	CON	Gallery Application for Content Viewing	14/875,954	UTL	PUBLISHED	11/25/2009		
Y10945US03	US	2/9/2010	OTH	Gallery application for content viewing	12/702,577	UTL	ISSUED	11/25/2009	9/16/2014	8,839,128
Y10945US02	US	2/9/2010	OTH	Gallery application for content viewing	12/702,555	UTL	ISSUED	11/25/2009	9/8/2015	9,128,602
Y10945US01	US	2/9/2010	OTH	Gallery Application for Content Viewing	12/702,508	UTL	ISSUED	11/25/2009	10/6/2015	9,152,318
Y10945US00	US	11/25/2009	OTH	Gallery application for content viewing	61/283,092	PRV	CONV PRV	11/25/2009		
Y10944US02	US	5/21/2007	CIP	METHODS AND SYSTEMS FOR ENHANCING INTERNET EXPERIENCES USING PREVIEWS	11/751,585	UTL	ABANDONED	12/23/2005		
Y10944US01	US	12/20/2006	FCA	METHODS AND SYSTEMS FOR ENHANCING INTERNET EXPERIENCES	11/613,838	UTL	ISSUED	12/23/2005	8/22/2017	9,740,794

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10944US00	US	12/23/2005	OTH	Method and system for displaying information on mouseover of hyperlink	60/753,783	PRV	CONV PRV	12/23/2005		
Y10943US00	US	4/29/2015	DCA	Method and system for presenting a search result in a search result card	14/439,288	UTL	PUBLISHED	4/23/2015		
Y10942US01	US	6/24/2008	FCA	SHARING OF MEDIA AND OTHER CONTENT THROUGH A COMMUNICATION CHANNEL	12/145,477	UTL	ISSUED	5/28/2008	9/10/2013	8,533,284
Y10942US00	US	5/28/2008	OTH	COMMUNICATION CHANNEL FOR SHARING WEB-BASED CONTENT	61/056,808	PRV	CONV PRV	5/28/2008		
Y10941US02	US	5/21/2007	OTH	Method And System For Selecting And Presenting Web Advertisements In A Full-Screen Cinematic View	11/751,577	UTL	PUBLISHED	10/17/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10941US01	US	5/21/2007	FCA	METHOD AND SYSTEM FOR DISPLAYING PHOTOS, VIDEOS, RSS AND OTHER MEDIA CONTENT IN FULL-SCREEN IMMERSIVE VIEW AND GRID-VIEW USING A BROWSER FEATURE	11/751,540	UTL	ISSUED	10/17/2006	6/17/2014	8,756,510
Y10941US00	US	10/17/2006	OTH	METHOD AND SYSTEM FOR DISPLAYING PHOTOS, VIDEOS, VIDEOS AND OTHER MEDIA IN FULL SCREEN IMMERSIVE VIEW USING A BROWSER FEATURE	60/829,840	PRV	CONV PRV	10/17/2006		
Y10939US00	US	5/29/2015	OTH	Image capture component	14/725,398	UTL	PUBLISHED	5/29/2015		
Y10937US00	US	7/31/2015	OTH	System and Method for Contextual Video Advertisement Serving In Guaranteed Display Advertising	14/815,334	UTL	PUBLISHED	7/31/2015		
Y10935US00	US	3/27/2015	OTH	Facilitation of service login	14/671,026	UTL	ISSUED	3/27/2015	2/6/2018	9,887,991
Y10917US00	US	10/26/2015	OTH	Automatic anomaly detection framework for grid resources	14/923,033	UTL	PENDING	10/26/2015		
Y10915US00	US	9/8/2015	OTH	Audio Verification	14/847,742	UTL	PUBLISHED	9/8/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10905US01	US	2/13/2017	CON	Media Content Analysis System And Method	15/431,081	UTL	PUBLISHED	8/12/2015		
Y10905US00	US	8/12/2015	OTH	Media Content Analysis System and Method	14/824,561	UTL	ISSUED	8/12/2015	2/14/2017	9,569,696
Y10896US00	US	12/8/2014	OTH	System and Method for Triaging in a Message System on Send Flow	14/563,121	UTL	PUBLISHED	12/8/2014		
Y10894US00	US	6/15/2015	OTH	Seasonal Query Suggestion System and Method	14/739,487	UTL	PUBLISHED	6/15/2015		
Y10892US00	US	12/31/2014	OTH	Stabilizing Content Display on Wearable Devices	14/587,888	UTL	PUBLISHED	12/31/2014		
Y10889US00	US	3/6/2015	OTH	Systems and Methods for Cold-start and Continuous-learning via Evolutionary Explorations	14/640,661	UTL	PUBLISHED	3/6/2015		
Y10888US00	US	3/20/2015	OTH	Using Hierarchical Reservoir Sampling to compute percentiles at scale	14/664,043	UTL	ISSUED	3/20/2015	9/5/2017	9,756,122
Y10877US00	US	12/31/2014	OTH	WEB CONTENT PUBLISHING ACQUISITION	14/588,309	UTL	PUBLISHED	12/31/2014		
Y10874US00	US	6/11/2015	OTH	Content summation	14/736,658	UTL	PUBLISHED	6/11/2015		
Y10872US00	US	10/31/2014	OTH	RECOMMENDING CONTENTS USING A BASE PROFILE	14/529,415	UTL	PUBLISHED	10/31/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10864US00	US	6/1/2015	OTH	Location-Awareness Search Assistance System and Method	14/727,081	UTL	PUBLISHED	6/1/2015		
Y10852US00	US	6/16/2015	OTH	Automatic Lock Removal Method for Scalable Synchronization in Dynamic Data Structures	14/741,247	UTL	PENDING	6/16/2015		
Y10845US00	US	12/31/2014	OTH	Positional state identification of mobile devices	14/587,313	UTL	PUBLISHED	12/31/2014		
Y10844US01	US	6/13/2016	CON	Resource utilization by one or more tasks	15/180,608	UTL	PUBLISHED	1/28/2015		
Y10844US00	US	1/28/2015	OTH	Resource utilization by one or more tasks	14/607,499	UTL	ISSUED	1/28/2015	6/14/2016	9,367,355
Y10842US00	US	5/20/2015	OTH	Data sessionization	14/717,119	UTL	PUBLISHED	5/20/2015		
Y10838US00	US	1/20/2015	OTH	Transition Event Detection	14/601,128	UTL	PUBLISHED	1/20/2015		
Y10835US01	US	3/20/2017	CON	Generating Preference Indices for Image Content	15/463,774	UTL	PUBLISHED	12/22/2014		
Y10835US00	US	12/22/2014	OTH	GENERATING PREFERENCE INDICES FOR IMAGE CONTENT	14/579,998	UTL	ISSUED	12/22/2014	3/28/2017	9,607,217
Y10834US00	US	12/15/2014	OTH	Media queuing	14/569,848	UTL	PUBLISHED	12/15/2014		
Y10831US00	US	12/31/2014	OTH	Electronic Message Search System and Method	14/587,585	UTL	ISSUED	12/31/2014	12/5/2017	9,838,348

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10829US00	US	8/30/2012	OTH	Image-Based Advertisement and Content Analysis and Display Systems	13/599,991	UTL	ABANDONED	8/30/2012		
Y10828US00	US	5/16/2012	OTH	System and Method for Creating and Displaying Image Annotations	13/473,027	UTL	ISSUED	5/16/2012	7/23/2013	8,495,489
Y10827US00	US	6/1/2012	OTH	Image-Content Matching Based on Image Context and Referrer Data	13/486,628	UTL	PUBLISHED	6/1/2012		
Y10826US00	US	11/17/2011	OTH	Image tagging system and method for contextually relevant advertising	13/299,280	UTL	ABANDONED	11/17/2011		
Y10824US00D1	US	3/10/2011	OTH	n/a	29/387,273	DES	ABANDONED	3/10/2011		
Y10823US00D1	US	3/10/2011	OTH	n/a	29/387,272	DES	ABANDONED	3/10/2011		
Y10822US00D1	US	3/10/2011	OTH	Portion of a display screen with a Graphical user interface	29/387,271	DES	ISSUED	3/10/2011	8/7/2012	D664,977
Y10821US00D1	US	3/10/2011	OTH	Graphical user interface for in-image search	29/387,270	DES	ISSUED	3/10/2011	8/7/2012	D664,976
Y10820US01	US	2/16/2012	CON	Image-based search interface	13/398,700	UTL	ABANDONED	3/10/2011		
Y10820US00	US	3/10/2011	OTH	Image-based search interface	13/045,426	UTL	ABANDONED	3/10/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10819US01	US	1/17/2012	CON	System and Method for Computer-Implemented Advertising Based on Search Query	13/352,188	UTL	ABANDONED	1/12/2011		
Y10819US00	US	1/12/2011	OTH	System and Method for Computer-Implemented Advertising Based on Search Query	13/005,226	UTL	ABANDONED	1/12/2011		
Y10818US01	US	6/18/2014	CON	Image browsing system and method for a digital content platform	14/308,611	UTL	PUBLISHED	10/3/2011		
Y10818US00D5	US	10/11/2011	CON	Portion of A Display Screen With A Graphical User Interface	29/403,826	DES	ISSUED	10/3/2011	9/8/2015	D738,391
Y10818US00D4	US	10/10/2011	CON	Image browsing system and method for a digital content platform	29/403,734	DES	ABANDONED	10/3/2011		
Y10818US00D3	US	10/10/2011	CON	Portion of A Display Screen With A Graphical User Interface	29/403,733	DES	ISSUED	10/3/2011	8/25/2015	D737,290
Y10818US00D2	US	10/10/2011	CON	Portion Of A Display Screen With A Graphical User Interface	29/403,732	DES	ISSUED	10/3/2011	8/25/2015	D737,289
Y10818US00D1	US	10/10/2011	OTH	Portion Of A Display Screen With A Graphical User Interface	29/403,731	DES	ISSUED	10/10/2011	8/11/2015	D736,224

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10818US00	US	10/3/2011	OTH	Image browsing system and method for a digital content platform	13/252,053	UTL	ABANDONED	10/3/2011		
Y10817US00	US	1/12/2011	OTH	Image Analysis System and Method Using Image Recognition and Text Search	13/005,217	UTL	ISSUED	1/12/2011	7/5/2016	9,384,408
Y10815US00	US	11/25/2014	OTH	METHOD AND SYSTEM FOR PROVIDING A USER INTERFACE	14/552,695	UTL	ISSUED	11/25/2014	5/3/2016	9,329,842
Y10814US00	US	3/12/2015	OTH	System and Method for Improved Server Performance for a Deep Feature Based Coarse-to-Fine Fast Search	14/656,390	UTL	PUBLISHED	3/12/2015		
Y10805US01	US	1/14/2016	CON	Object Detection in Images	14/996,063	UTL	ISSUED	1/29/2015	7/4/2017	9,697,442
Y10805US00	US	1/29/2015	OTH	Object Detection in Images	14/609,220	UTL	ISSUED	1/29/2015	2/23/2016	9,269,025
Y10802US00	US	12/31/2015	OTH	Network Content Communication	14/986,115	UTL	PUBLISHED	12/31/2015		
Y10797US00	US	6/3/2015	OTH	System and Method for Determining and Delivering Breaking News Utilizing Social Media	14/729,614	UTL	PUBLISHED	6/3/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10796US00	US	6/3/2015	OTH	Computerized Notification System and Method for Delivering Breaking News Content	14/729,686	UTL	PUBLISHED	6/3/2015		
Y10795US01	US	7/10/2012	CON	Image content and quality assurance system and method	13/545,443	UTL	ISSUED	4/19/2012	11/13/2012	8,311,889
Y10795US00	US	4/19/2012	OTH	Image content and quality assurance system and method	13/450,807	UTL	ISSUED	4/19/2012	7/31/2012	8,234,168
Y10794US01	US	11/14/2011	CON	System and method for sharing content based on positional tagging	13/296,124	UTL	ISSUED	8/26/2011	4/24/2012	8,166,383
Y10794US00	US	8/26/2011	OTH	System and method for sharing content based on positional tagging	13/219,460	UTL	ISSUED	8/26/2011	1/21/2014	8,635,519
Y10793US01	US	11/30/2011	FCA	Platform for providing interactive applications on a digital content platform	13/308,401	UTL	ISSUED	10/5/2011	5/27/2014	8,737,678
Y10793US00	US	10/5/2011	OTH	Platform for providing interactive images	61/543,717	PRV	CONV PRV	10/5/2011		
Y10792US03	US	9/1/2015	CON	Digital Image and Content Display Systems and Methods	14/842,576	UTL	PUBLISHED	3/22/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10792US02	US	2/26/2013	CON	Digital Image and Content Display Systems and Methods	13/777,917	UTL	ISSUED	3/22/2012	10/13/2015	9,158,747
Y10792US01	US	8/1/2012	CON	Digital Image and Content Display Systems and Methods	13/564,609	UTL	ISSUED	3/22/2012	3/5/2013	8,392,538
Y10792US00	US	3/22/2012	OTH	Digital image and content display systems and methods	13/427,341	UTL	ISSUED	3/22/2012	8/28/2012	8,255,495
Y10785US00	US	12/31/2014	OTH	Image Cropping	14/588,213	UTL	PUBLISHED	12/31/2014		
Y10784US00	US	11/19/2014	OTH	System and Method for 3D Tracking for Ad-Hoc Cross-Device Interaction	14/547,553	UTL	PUBLISHED	11/19/2014		
Y10772US00D1	US	9/11/2014	OTH	Display Screen with Graphical User Interface of a Menu for a News digest	29/502,113	DES	ISSUED	9/11/2014	7/19/2016	D761,833
Y10770US00	US	9/11/2014	OTH	Systems and Methods for Displaying an Expanding Menu Via a User Interface	14/484,155	UTL	PUBLISHED	9/11/2014		
Y10767US00	US	11/18/2014	OTH	METHOD AND SYSTEM FOR PROVIDING QUERY SUGGESTIONS BASED ON USER FEEDBACK	14/546,635	UTL	PUBLISHED	11/18/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10756US00	US	11/21/2006	OTH	Automatic Configuration of Email Client	11/604,193	UTL	PENDING	11/21/2006		
Y10755US01	US	5/24/2013	FCA	Mobile application usage-based revenue targeting systems and methods	13/902,684	UTL	PUBLISHED	8/1/2012		
Y10755US00	US	8/1/2012	OTH	Mobile application usage-based revenue targeting systems and methods	61/678,352	PRV	CONV PRV	8/1/2012		
Y10754US06	US	11/1/2016	CON	Adaptive Deployment of Applications for Mobile Devices	15/340,296	UTL	PUBLISHED	11/7/2005		
Y10754US05	US	12/14/2012	CON	Delivering a Customized Service to a Mobile Device Using a Link	13/715,823	UTL	PUBLISHED	11/7/2005		
Y10754US04	US	11/7/2006	OTH	Adaptive Deployment of Applications for Mobile Devices	11/594,571	UTL	ABANDONED	11/7/2005		
Y10754US03	US	11/7/2006	OTH	Adaptive Deployment of Applications for Mobile Devices	11/594,555	UTL	ISSUED	11/7/2005	11/8/2016	9,489,187
Y10754US02	US	11/7/2006	OTH	Delivering a customized service to a mobile device using a link	11/594,573	UTL	ISSUED	11/7/2005	1/1/2013	8,346,223

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10754US01	US	9/20/2006	OTH	Adaptive deployment of applications for mobile devices	60/846,285	PRV	CONV PRV	9/20/2006		
Y10754US00	US	11/7/2005	OTH	Real-time generation of customized application executable during installation process for mobile devices	60/734,185	PRV	CONV PRV	11/7/2005		
Y10750US00	US	1/7/2015	OTH	Content distribution resource allocation	14/591,204	UTL	PUBLISHED	1/7/2015		
Y10736US01	US	7/27/2017	CON	Automatically Creating at-a-Glance Content	15/661,105	UTL	PUBLISHED	11/20/2014		
Y10736US00	US	11/20/2014	OTH	Automatically Creating at-a-Glance Content	14/548,852	UTL	ISSUED	11/20/2014	8/1/2017	9,720,882
Y10735US00	US	3/13/2015	OTH	Future event detection	14/657,409	UTL	PUBLISHED	3/13/2015		
Y10733US00	US	12/30/2014	OTH	Predicting the next application that you are going to use on aviate	14/586,635	UTL	PENDING	12/30/2014		
Y10725US00	US	10/14/2014	OTH	Real-time economic indicator	14/513,935	UTL	PUBLISHED	10/14/2014		
Y10714US00	US	3/30/2015	OTH	Determining Content Sessions Using Content-Consumption Events	14/673,854	UTL	PENDING	3/30/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10708US00	US	2/27/2015	OTH	Large-scale anomaly detection with relative density-ratio estimation	14/634,515	UTL	PENDING	2/27/2015		
Y10701US00	US	3/8/2016	OTH	System and Method for Traffic Quality Based Pricing via Deep Neural Language Models	15/064,310	UTL	PUBLISHED	3/8/2016		
Y10695US00	US	8/30/2010	OTH	System and method for real-time transfer of video content to a distribution node of a P2P network over an internet protocol network	12/871,586	UTL	ISSUED	8/30/2010	2/4/2014	8,645,561
Y10694US02	US	6/23/2011	CON	Dynamic Allocation of a Quota of Consumer Nodes Connecting to a Resource Node of a Peer-to-Peer Network	13/167,371	UTL	PUBLISHED	10/2/2008		
Y10694US01	US	6/23/2011	CIP	Adaptive Data Rate Streaming in a Peer-to-Peer Network Delivering Video Content	13/167,384	UTL	ISSUED	10/2/2008	2/11/2014	8,650,301

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10694US00	US	10/2/2008	OTH	Dynamic Allocation of a Quota of Consumer Nodes Connecting to a Resource Node of a Peer-to-Peer Network	12/244,756	UTL	ISSUED	10/2/2008	8/9/2011	7,996,546
Y10693US01	US	10/27/2010	CON	Method for Managing the Allocation of Resources to Channel Swarms in a Peer-to-Peer Network	12/913,402	UTL	ISSUED	5/15/2008	1/1/2013	8,346,936
Y10693US00	US	5/15/2008	OTH	Method for managing the allocation of resources to channel swarms in a peer-to-peer network	12/120,652	UTL	ISSUED	5/15/2008	11/16/2010	7,836,184
Y10692US04	US	10/24/2011	CON	Method for Buffer Management for Video Swarms in a Peer-to-Peer Network	13/279,389	UTL	ISSUED	5/27/2009	1/15/2013	8,356,111
Y10692US03	US	7/27/2011	CIP	Method for actively sharing available bandwidth to consumer nodes in a peer-to-peer network for delivery of video streams	13/192,209	UTL	PUBLISHED	5/27/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10692US02	US	8/30/2010	CIP	Method for dynamically adjusting resource nodes in a peer-to-peer network for delivering time-sensitive content	12/871,615	UTL	ISSUED	5/27/2009	2/12/2013	8,375,129
Y10692US01	US	3/31/2010	CIP	Controlling the Provision of Resources for Streaming of Video Swarms in a Peer-to-Peer Network	12/751,306	UTL	ISSUED	5/27/2009	12/4/2012	8,326,992
Y10692US00	US	5/27/2009	OTH	Method for Buffer Management for Video Swarms in a Peer-to-Peer Network	12/473,006	UTL	ISSUED	5/27/2009	11/1/2011	8,051,194
Y10691US04	US	3/1/2011	CON	Realtime Media Distribution in a P2P Network	13/038,143	UTL	ISSUED	3/27/2006	1/10/2012	8,095,682
Y10691US03	US	3/30/2009	DCA	System and methods for Peer-to-Peer Media Streaming	12/443,619	UTL	ABANDONED	9/28/2006		
Y10691US02	US	9/26/2008	DCA	Realtime Media Distribution in a P2P Network	12/294,836	UTL	ISSUED	3/27/2006	5/17/2011	7,945,694
Y10691US01	US	9/28/2006	OTH	System and methods for Peer-to-Peer Media Streaming	60/847,677	PRV	CONV PRV	9/28/2006		
Y10691US00	US	3/27/2006	OTH	Realtime Media Distribution in a P2P Network	60/785,991	PRV	CONV PRV	3/27/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10688US00	US	4/9/2015	OTH	Inductive matrix completion and graph proximity for content item recommendation	14/682,603	UTL	PUBLISHED	4/9/2015		
Y10651US00	US	12/18/2014	OTH	Systems And Methods For Equitably Determining Employee Compensation	14/575,765	UTL	PENDING	12/18/2014		
Y10645US00	US	11/17/2014	OTH	System and Method for Large-Scale Multi-Label Learning Using Incomplete Label Assignments	14/543,133	UTL	PUBLISHED	11/17/2014		
Y10644US00	US	10/27/2014	OTH	System and Method for Entity Detection in Machine Generated Messages	14/524,460	UTL	PUBLISHED	10/27/2014		
Y10635US00	US	10/20/2014	OTH	E-Commerce Recommendation System and Method	14/518,431	UTL	PUBLISHED	10/20/2014		
Y10614US00	US	7/14/2014	OTH	Aiding composition of themed articles about popular and novel topics and offering users a navigable experience of associated content	14/330,627	UTL	PUBLISHED	7/14/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10612US00	US	3/20/2015	OTH	System and method for photo scene searching	14/664,011	UTL	PUBLISHED	3/20/2015		
Y10611US00	US	12/30/2014	OTH	METHOD AND SYSTEM FOR ENHANCED CONTENT RECOMMENDATION	14/586,202	UTL	PUBLISHED	12/30/2014		
Y10602US00	US	12/18/2014	OTH	System and Method for Improved Server Performance Based on a User's Messaging Behavior	14/575,683	UTL	PUBLISHED	12/18/2014		
Y10599US00	US	12/1/2016	OTH	Message classification	15/366,443	UTL	PENDING	12/1/2016		
Y10593US00	US	12/19/2014	OTH	Content selection	14/578,268	UTL	PUBLISHED	12/19/2014		
Y10551US00	US	4/16/2015	OTH	Method and system for providing interaction driven electronic social experience	14/436,166	UTL	PUBLISHED	12/8/2014		
Y10537US00	US	6/30/2014	OTH	Method and System for Automatic Generation of Personalized Applications	14/319,789	UTL	PUBLISHED	6/30/2014		
Y10525US00	US	4/17/2015	DCA	Method and System for Online User Profiling	14/436,640	UTL	PUBLISHED	2/11/2015		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10485US00	US	9/22/2014	OTH	System and Method for Email Message Following from a User's Inbox	14/492,708	UTL	PUBLISHED	9/22/2014		
Y10483US00D1	US	4/30/2014	OTH	Display Screen Or Portion Thereof With A Graphical User Interface	29/489,540	DES	ISSUED	4/30/2014	12/6/2016	D773,498
Y10481US00	US	10/30/2017	OTH	Content object layering for user interfaces	15/797,279	UTL	PENDING	10/30/2017		
Y10479US00D2	US	8/31/2016	DIV	Display Screen with Graphical User Interface for Displaying Search Results as a Stack of Overlapping, Actionable Cards	29/576,156	DES	PENDING	4/30/2014		
Y10479US00D1	US	4/30/2014	OTH	Display Screen with Graphical User Interface for Displaying Search Results as a Stack of Overlapping, Actionable Cards	29/489,536	DES	ISSUED	4/30/2014	1/10/2017	D776,140
Y10472US00D1	US	4/30/2014	OTH	Display Screen Or Portion Thereof With A Graphical User Interface	29/489,531	DES	ISSUED	4/30/2014	12/6/2016	D773,497
Y10464US00	US	5/6/2014	OTH	Method and system for evaluating user satisfaction with respect to a user session	14/270,862	UTL	PUBLISHED	5/6/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10462US00	US	5/6/2014	OTH	Method and system for measuring user engagement with content items	14/270,950	UTL	PUBLISHED	5/6/2014		
Y10454US00	US	5/6/2014	OTH	Method and system for measuring user engagement with content items	14/270,917	UTL	PUBLISHED	5/6/2014		
Y10453US00	US	9/30/2014	OTH	Personalized search filter and notification system	14/501,342	UTL	PUBLISHED	9/30/2014		
Y10445US00	US	4/8/2014	OTH	Gesture Input For Item Selection	14/247,690	UTL	PUBLISHED	4/8/2014		
Y10436US00	US	10/16/2014	OTH	Mobile application pre-fetching using a state framework	14/516,401	UTL	ISSUED	10/16/2014	8/16/2016	9,417,773
Y10400US00	US	5/15/2014	OTH	Entity Sponsorship Within a Modular Search Object Framework	14/277,964	UTL	PUBLISHED	5/15/2014		
Y10395US00	US	9/24/2014	OTH	System and Method for Auto-Formatting Messages Based on Learned Message Templates	14/495,064	UTL	PUBLISHED	9/24/2014		
Y10374US00	US	11/4/2014	OTH	Targeted crash fixing	14/532,450	UTL	PUBLISHED	11/4/2014		
Y10372US00	US	7/28/2014	OTH	Systems and Methods For Providing Recommendations and Explanations	14/444,477	UTL	PUBLISHED	7/28/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10371US03	US	11/2/2015	CON	Automated Presentation of Information Using Infographics	14/930,027	UTL	PUBLISHED	7/8/2011		
Y10371US02	US	1/8/2014	DCA	Automated Presentation of Information Using Infographics	14/131,650	UTL	PUBLISHED	7/8/2011		
Y10371US01	US	2/19/2013	CIP	Automated Presentation of Information Using Infographics	13/770,525	UTL	ISSUED	7/8/2011	11/3/2015	9,176,966
Y10371US00	US	7/8/2011	OTH	Automated Presentation of Information Using Infographics	61/505,635	PRV	EXPIRED	7/8/2011		
Y10362US00	US	8/14/2014	OTH	Cross-Device Integration System and Method	14/460,016	UTL	PUBLISHED	8/14/2014		
Y10355US01	US	12/23/2014	FCA	Route Detection In A Trip-Oriented Message Data Communications System	14/580,482	UTL	ISSUED	11/1/2013	11/8/2016	9,488,487
Y10355US00	US	11/1/2013	OTH	Route Detection In A Trip-Oriented Message Data Communications System	61/899,056	PRV	CONV PRV	11/1/2013		
Y10353US02	US	3/12/2014	FCA	Using Historical Location Data To Improve Estimates Of Location	14/207,329	UTL	PUBLISHED	3/12/2013		
Y10353US01	US	3/12/2014	FCA	Estimating Times To Leave And To Travel	14/207,326	UTL	ISSUED	3/12/2013	6/28/2016	9,377,319

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10353US00	US	3/12/2013	OTH	Trip-Oriented Message Data Communications System	61/778,320	PRV	CONV PRV	3/12/2013		
Y10349US00	US	12/23/2014	OTH	METHOD AND SYSTEM FOR PROVIDING A USER AGENT STRING DATABASE	14/410,702	UTL	PUBLISHED	11/25/2014		
Y10344US00	US	4/3/2014	OTH	Systems and Methods for Delivering Task-Oriented Content Using a Desktop Widget	14/244,825	UTL	PUBLISHED	4/3/2014		
Y10330US00	US	10/24/2014	OTH	Taxonomy-Based System for Discovering and Annotating Geofences from Geo-Referenced Data	14/523,709	UTL	PUBLISHED	10/24/2014		
Y10327US00	US	5/8/1989	OTH	METHOD AND APPARATUS FOR AUTOMATIC CATEGORIZATION OF APPLICANTS FROM RESUMES	07/349,028	UTL	EXPIRED	5/8/1989	3/23/1993	5,197,004
Y10326US00	US	12/4/2014	OTH	Automated image ranking	14/560,252	UTL	PUBLISHED	12/4/2014		
Y10324US00	US	8/8/2014	OTH	Systems and Methods for Suggesting Headlines	14/455,045	UTL	ISSUED	8/8/2014	1/30/2018	9,881,059

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10306US00	US	10/21/2014	OTH	METHOD AND SYSTEM FOR COLD-START ITEM RECOMMENDATION	14/519,273	UTL	PUBLISHED	10/21/2014		
Y10301US00	US	12/8/2014	OTH	System and Method for Self-Destructing Messages	14/563,922	UTL	PUBLISHED	12/8/2014		
Y10289US00	US	3/6/2014	OTH	Methods and Systems for Ranking Items on a Presentation Area Based on Binary Outcomes	14/199,729	UTL	ISSUED	3/6/2014	12/27/2016	9,529,858
Y10284US00	US	3/25/2014	OTH	System and Method for Summarizing a Multimedia Content Item	14/224,511	UTL	PUBLISHED	3/25/2014		
Y10280US00	US	5/5/2015	OTH	Device Interfacing Using Exogenous Sources for Personalization of Website Services	14/704,405	UTL	PUBLISHED	5/5/2015		
Y10270US01	US	10/1/2014	FCA	Using Exogenous Sources for Personalization of Services at a Website	14/504,386	UTL	ISSUED	7/11/2014	10/17/2017	9,792,372
Y10270US00	US	7/11/2014	OTH		62/023,821	PRV	CONV PRV	7/11/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10269US02	US	1/27/2016	CON	Computerized system and method for creating a resource url for rendering the resource in a resource specific application	15/007,890	UTL	PUBLISHED	3/15/2013		
Y10269US01	US	1/21/2014	FCA	Computerized system and method for creating a resource url for rendering the resource in a resource specific application	14/160,370	UTL	ISSUED	3/15/2013	4/19/2016	9,317,272
Y10269US00	US	3/15/2013	OTH	CONVERSION TRACKING SYSTEM AND METHOD	61/799,930	PRV	CONV PRV	3/15/2013		
Y10268US00	US	10/20/2010	OTH	SHORT URI PAYLOAD-STATUS SYSTEMS AND METHODS	12/908,595	UTL	ISSUED	10/20/2010	8/13/2013	8,510,368
Y10267US07	US	12/21/2017	CON	Conversion Tracking And Context Preserving Systems And Methods	15/850,764	UTL	PENDING	8/9/2010		
Y10267US06	US	3/31/2016	CON	Conversion Tracking And Context Preserving Systems And Methods	15/087,593	UTL	ISSUED	8/9/2010	1/9/2018	9,864,593
Y10267US05	US	4/24/2015	CON	URI Service System and Method	14/695,444	UTL	ISSUED	8/9/2010	8/9/2016	9,413,715

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10267US04	US	8/13/2013	CIP	Conversion Tracking And Context Preserving Systems And Methods	13/966,118	UTL	ISSUED	8/9/2010	6/7/2016	9,363,337
Y10267US03	US	7/16/2013	DIV	URI SERVICE SYSTEM AND METHOD	13/943,311	UTL	ISSUED	8/9/2010	6/23/2015	9,065,797
Y10267US02	US	4/2/2013	CON	Remote Application Invocation System And Method	13/855,649	UTL	ISSUED	8/9/2010	11/24/2015	9,197,692
Y10267US01	US	10/20/2010	CIP	URI SERVICE SYSTEM AND METHOD	12/908,547	UTL	ISSUED	8/9/2010	11/12/2013	8,583,795
Y10267US00	US	8/9/2010	OTH	REMOTE APPLICATION INVOCATION SYSTEM AND METHOD	12/852,730	UTL	ISSUED	8/9/2010	5/7/2013	8,438,245
Y10266US02	US	1/12/2016	RIS	Smartlink System and Method	14/993,458	UTL	PENDING	2/28/2011		
Y10266US01	US	4/2/2013	CON	Smartlink System and Method	13/855,641	UTL	ISSUED	2/28/2011	1/13/2015	8,935,400
Y10266US00	US	2/28/2011	OTH	Smart Link System and Method	13/036,950	UTL	ISSUED	2/28/2011	4/30/2013	8,433,800
Y10264US01	US	12/1/2016	CON	Services Access for Mobile Devices	15/366,984	UTL	ISSUED	8/7/2014	1/9/2018	9,867,046
Y10264US00	US	8/7/2014	OTH	Services access for mobile devices	14/454,713	UTL	ISSUED	8/7/2014	1/10/2017	9,544,771
Y10248US00	US	12/24/2014	DCA	METHOD AND SYSTEM FOR ANALYZING A USER AGENT STRING	14/411,136	UTL	PUBLISHED	11/25/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10247US02	US	6/28/2016	CON	User Identification On A Per Touch Basis On Touch Sensitive Devices	15/195,738	UTL	PUBLISHED	6/12/2014		
Y10247US01	US	9/10/2015	CIP	User Identification Through An External Device On A Per Touch Basis On Touch Sensitive Devices	14/850,377	UTL	PUBLISHED	6/12/2014		
Y10247US00	US	6/12/2014	OTH	User Identification On A Per Touch Basis On Touch Sensitive Devices	14/303,493	UTL	ISSUED	6/12/2014	7/19/2016	9,396,378
Y10246US00	US	12/16/2014	OTH	CONTINUING AN APPLICATION SESSION ON A DIFFERENT DEVICE	14/572,215	UTL	PUBLISHED	12/16/2014		
Y10228US02	US	10/13/2014	FCA	Systems and methods for providing context-based user interface	14/513,079	UTL	PUBLISHED	10/14/2013		
Y10228US01	US	10/14/2013	OTH	Systems and Method for Providing Context-Based User Interface	61/890,856	PRV	CONV PRV	10/14/2013		
Y10228US00	US	10/15/2013	OTH	Systems and Method for Providing Context-Based User Interface	61/891,363	PRV	CONV PRV	10/15/2013		
Y10225US00	US	7/30/2014	OTH	Enhanced Personalization in Multi-User Devices	14/446,495	UTL	PUBLISHED	7/30/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10213US01	US	10/10/2016	CON	System and Method for Privacy-Aware Information Extraction and Validation	15/289,396	UTL	PUBLISHED	12/23/2014		
Y10213US00	US	12/23/2014	OTH	System and Method for Privacy-Aware Information Extraction and Validation	14/581,647	UTL	ISSUED	12/23/2014	10/11/2016	9,465,956
Y10202US00	US	1/6/2014	OTH	Systems and Methods for Image Processing	14/148,569	UTL	PUBLISHED	1/6/2014		
Y10193US00	US	12/30/2014	OTH	System and Method for Programmatically Creating Resource Locators	14/586,032	UTL	ISSUED	12/30/2014	10/10/2017	9,785,721
Y10192US03	US	9/29/2014	CIP	Tracking User Interaction With A Stream of Content	14/499,971	UTL	PUBLISHED	1/31/2014		
Y10192US02	US	1/31/2014	OTH	Throttled Scanning for Optimized Compression of Network Communicated Data	14/170,402	UTL	ISSUED	1/31/2014	6/13/2017	9,680,897
Y10192US01	US	1/31/2014	OTH	Dynamic Streaming Content Provided by a Client-Side Application	14/170,393	UTL	PUBLISHED	1/31/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10192US00	US	1/31/2014	OTH	Model Traversing Based Compressed Serialization of User Interaction Data and Communication from a Client-side Application	14/170,377	UTL	ISSUED	1/31/2014	10/3/2017	9,779,069
Y10191US03	US	4/22/2013	FCA	Interactive Mobile Video Authoring Experience	13/867,990	UTL	PUBLISHED	5/21/2012		
Y10191US02	US	4/22/2013	FCA	Interactive Mobile Video Viewing Experience	13/868,005	UTL	PUBLISHED	5/21/2012		
Y10191US01	US	3/15/2013	FCA	Authoring, Archiving, and Delivering Interactive Social Media Videos	13/838,801	UTL	PUBLISHED	5/21/2012		
Y10191US00	US	5/21/2012	OTH	Authoring, Archiving, and Delivering Interactive Social Media Videos	61/649,916	PRV	CONV PRV	5/21/2012		
Y10190US01	US	7/24/2013	FCA	Method and System for using natural language techniques to process inputs	13/949,886	UTL	ISSUED	3/14/2013	8/26/2014	8,818,795
Y10190US00	US	3/14/2013	OTH	Method and System for using natural language techniques to process queries	61/781,237	PRV	CONV PRV	3/14/2013		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10186US00	US	7/29/2014	OTH	Method and System of Generating and Using a Geographical Hierarchy Model	14/445,724	UTL	PUBLISHED	7/29/2014		
Y10162US00	US	7/17/2014	OTH	System and Method of Spherical Image Compression	14/334,308	UTL	ISSUED	7/17/2014	2/9/2016	9,258,566
Y10145US00	US	4/17/2014	OTH	System and Method for Providing Users Feedback Regarding Their Reading Habits	14/255,576	UTL	PUBLISHED	4/17/2014		
Y10138US00	US	11/7/2014	DCA	METHOD AND SYSTEM FOR PROVIDING A PERSONALIZED SNIPPET	14/399,696	UTL	PUBLISHED	7/8/2014		
Y10135US00	US	4/15/2015	DCA	Method and system for determining user interests based on a correspondence graph	14/435,789	UTL	PUBLISHED	12/17/2014		
Y10130US00	US	8/1/2014	OTH	Automatically Generated Comparison Polls	14/449,390	UTL	ISSUED	8/1/2014	6/20/2017	9,684,908
Y10124US00	US	5/22/2014	OTH	Content Recommendations	14/284,647	UTL	PUBLISHED	5/22/2014		
Y10121US00	US	2/5/2014	OTH	Web Application Theme Preview Based On Live Previews	14/173,803	UTL	ISSUED	11/26/2013	6/7/2016	9,361,280

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y101113US00	US	1/3/2014	OTH	Systems and Methods for Content Delivery	14/146,986	UTL	ISSUED	1/3/2014	8/22/2017	9,742,836
Y101112US01	US	1/26/2017	CON	Systems and Methods for Quote Extraction	15/415,977	UTL	PUBLISHED	1/3/2014		
Y101112US00	US	1/3/2014	OTH	Systems and Methods for Quote Extraction	14/147,001	UTL	ISSUED	1/3/2014	1/31/2017	9,558,180
Y101111US02	US	10/10/2016	DIV	Systems and Methods for Content Processing	15/289,323	UTL	PUBLISHED	1/3/2014		
Y101111US01	US	6/30/2014	CON	Systems and Methods for Content Processing	14/319,978	UTL	ISSUED	1/3/2014	10/11/2016	9,465,849
Y101111US00D6	US	11/29/2016	CON	Display Screen With Transitional Graphical User Interface For A Content Digest	29/585,790	DES	PENDING	1/3/2014		
Y101111US00D5	US	5/25/2016	CON	Animated Graphical User Interface for a Display Screen or Portion Thereof	29/565,901	DES	PEND ABAND	1/3/2014		
Y101111US00D4	US	5/25/2016	CON	Animated Graphical User Interface for a Display Screen or Portion Thereof	29/565,871	DES	PEND ABAND	1/3/2014		
Y101111US00D3	US	1/3/2014	OTH	Animated Graphical User Interface for a Display Screen or Portion Thereof	29/478,382	DES	ISSUED	1/3/2014	7/5/2016	D760792

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10111US00D2	US	1/3/2014	OTH	Animated Graphical User Interface for a Display Screen or Portion Thereof	29/478,380	DES	ISSUED	1/3/2014	7/5/2016	D760791
Y10111US00D1	US	1/3/2014	OTH	Display Screen With Transitional Graphical User Interface For A Content Digest	29/478,368	DES	ISSUED	1/3/2014	12/27/2016	D775,183
Y10111US00	US	1/3/2014	OTH	Systems and Methods for Content Processing	14/147,010	UTL	PUBLISHED	1/3/2014		
Y10110US00	US	1/3/2014	OTH	Systems and Methods for Delivering Task-Oriented Content	14/147,078	UTL	PUBLISHED	1/3/2014		
Y10088US00	US	5/14/2015	OTH	Content navigation	14/712,157	UTL	PUBLISHED	5/14/2015		
Y10067US03	US	7/14/2011	CON	Social Advertising Platform	13/182,604	UTL	ABANDONED	4/16/2010		
Y10067US02	US	4/15/2011	FCA	Social Advertising Platform	13/088,287	UTL	ABANDONED	4/16/2010		
Y10067US01	US	5/1/2010	OTH	SOCIAL ADVERTISING PLATFORM	61/330,317	PRV	CONV PRV	5/1/2010		
Y10067US00	US	4/16/2010	OTH	SOCIAL ADVERTISING PLATFORM	61/325,264	PRV	CONV PRV	4/16/2010		
Y10053US02	US	6/22/2017	CON	Dynamic Content Mapping	15/630,464	UTL	PUBLISHED	11/30/2012		
Y10053US01	US	11/29/2013	FCA	Dynamic Content Mapping	14/093,408	UTL	ISSUED	11/30/2012	7/18/2017	9,710,433
Y10053US00	US	11/30/2012	OTH	Spatial Information Discovery	61/731,488	PRV	CONV PRV	11/30/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y10052US00	US	12/7/2010	OTH	Method and System for Invariant Pattern Recognition	12/962,632	UTL	ISSUED	12/7/2010	6/7/2016	9,361,586
Y10042US01	US	7/17/2017	CON	Visual Recognition Using Social Links	15/651,822	UTL	PUBLISHED	3/17/2014		
Y10042US00	US	3/17/2014	OTH	Visual Recognition Using Social Links	14/215,925	UTL	ISSUED	3/17/2014	7/18/2017	9,710,447
Y10041US01	US	8/8/2016	CON	System and Method for Recommending Pleasant Routes from the Sentiment of Geo-Tagged Photographs	15/231,724	UTL	PUBLISHED	5/7/2014		
Y10041US00	US	5/7/2014	OTH	System and Method for Recommending Pleasant Routes from the Sentiment of Geo-Tagged Photographs	14/271,960	UTL	ISSUED	5/7/2014	8/9/2016	9,410,816
Y10035US00	US	3/17/2014	OTH	Personalized Criteria-Based Media Organization	14/215,279	UTL	PUBLISHED	3/17/2014		
Y10026US01	US	6/30/2016	CON	Categorizing hash tags	15/199,420	UTL	ISSUED	2/3/2014	12/5/2017	9,836,525
Y10026US00	US	2/3/2014	OTH	Categorizing hash tags	14/170,952	UTL	ISSUED	2/3/2014	7/5/2016	9,384,259
Y10018US00	US	4/7/2014	OTH	Hierarchical Dirichlet Model for Taxonomy Expansion for Search Engines	61/976,344	PRV	ABANDONED	4/7/2014		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09999US00	US	2/18/2014	OTH	Automated Summary and Action Generation for Identified Events	14/182,566	UTL	PUBLISHED	2/18/2014		
Y09998US00	US	6/2/2014	OTH	System and Method for Email Pre-Delivery	14/293,442	UTL	ISSUED	6/2/2014	8/9/2016	9,413,698
Y09940US01	US	5/15/2000	DIV	Hypertext Markup Language Document Translating Machine	09/571,315	UTL	EXPIRED	4/24/1996	11/11/2003	6,647,364
Y09940US00	US	4/24/1996	OTH	Document Conversion System Including Data Monitoring Means That Adds Tag Information To Hyperlink Information And Translates A Document When Such Tag Information Is Included in A Document Retrieval Request	08/636,968	UTL	EXPIRED	4/24/1996	6/6/2000	6,073,143
Y09925US01	US	5/29/2014	FCA	Photo and video sharing	14/290,223	UTL	PUBLISHED	6/3/2013		
Y09925US00	US	6/3/2013	OTH	PHOTO AND VIDEO SHARING	61/830,229	PRV	CONV PRV	6/3/2013		
Y09924US01	US	5/29/2014	FCA	Photo and video search	14/290,214	UTL	PUBLISHED	6/3/2013		
Y09924US00	US	6/3/2013	OTH	PHOTO AND VIDEO SEARCH	61/830,227	PRV	CONV PRV	6/3/2013		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09923US00	US	2/15/2013	OTH	Real Time Object Scanning Using A Mobile Phone and Cloud-based Visual Search Engine	13/768,051	UTL	ISSUED	2/15/2013	4/25/2017	9,633,272
Y09922US01	US	12/13/2016	CON	Automatic Image Piling	15/377,877	UTL	PUBLISHED	3/11/2013		
Y09922US00	US	3/11/2013	OTH	Automatic Image Piling	13/793,890	UTL	ISSUED	3/11/2013	1/10/2017	9,542,619
Y09921US00	US	4/16/2012	OTH	Cascaded Multi-tier Visual Search System	13/448,049	UTL	PENDING	4/16/2012		
Y09920US01	US	7/31/2012	FCA	LINK DETERMINATION AND USAGE USING IMAGE RECOGNITION	13/563,637	UTL	ISSUED	11/17/2011	2/23/2016	9,268,464
Y09920US00	US	11/17/2011	OTH	MEDIA AND APP STORE SEARCH AND CONTENT DISCOVERY USING IMAGE RECOGNITION	61/561,214	PRV	CONV PRV	11/17/2011		
Y09919US00	US	1/28/2011	OTH	MONITORING AN ANY-IMAGE LABELING ENGINE	13/016,779	UTL	ISSUED	1/28/2011	12/22/2015	9,218,364
Y09918US00	US	1/28/2011	OTH	Any-Image Labeling Engine	13/016,776	UTL	ISSUED	1/28/2011	5/19/2015	9,037,600
Y09912US00	US	6/24/2014	OTH	Gestures For Sharing Content Between Multiple Devices	14/313,035	UTL	ISSUED	6/24/2014	8/8/2017	9,729,591
Y09905US00	US	12/9/2014	OTH	System and Method for Driving-Aware Notification	14/564,639	UTL	ISSUED	12/9/2014	6/20/2017	9,686,400

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09904US01	US	2/10/2014	FCA	Live Previews For Multitasking And State Management	14/176,486	UTL	ISSUED	11/26/2013	12/27/2016	9,529,783
Y09904US00	US	11/26/2013	OTH	Web Application Live Previews	61/909,235	PRV	CONV PRV	11/26/2013		
Y09894US01	US	7/22/2014	FCA	Interaction With Multiple Connected Devices	14/338,328	UTL	PUBLISHED	1/7/2014		
Y09894US00	US	1/7/2014	OTH	Interaction with Multiple Connected Devices	61/924,704	PRV	CONV PRV	1/7/2014		
Y09862US00	US	9/29/2014	OTH	Mobile Device Image Acquisition Using Objects Of Interest Recognition	14/500,911	UTL	ISSUED	9/29/2014	1/24/2017	9,554,030
Y09857US01	US	8/27/2014	FCA	Spark Satellite Clusters to Hadoop Data Stores	14/470,704	UTL	PUBLISHED	8/27/2013		
Y09857US00	US	8/27/2013	OTH	Spark Satellite Clusters To Hadoop Data Stores	61/870,641	PRV	CONV PRV	8/27/2013		
Y09856US00	US	12/17/2013	OTH	System and Method for Facilitating Email Message Reply	14/109,750	UTL	ISSUED	12/17/2013	4/4/2017	9,614,801
Y09846US00	US	12/2/2013	OTH	Deep Linking to Mobile Applications	14/093,908	UTL	PEND ABAND	12/2/2013		
Y09844US01	US	11/19/2013	FCA	Behavioral Retargeting System and Method for Cookie-Disabled Devices	14/084,324	UTL	PUBLISHED	3/26/2013		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09844US00	US	3/26/2013	OTH	Provisional Patent Application for Behavioral Retargeting System for Cookie Disabled Onlin	61/805,152	PRV	CONV PRV	3/26/2013		
Y09839US00	US	7/7/2014	OTH	On-Line Product-Related Recommendations	14/325,192	UTL	PUBLISHED	7/7/2014		
Y09835US00	US	12/2/2013	OTH	Deep Linking to Mobile Applications	14/093,905	UTL	ISSUED	12/2/2013	10/31/2017	9,806,942
Y09832US00	US	5/8/2013	OTH	Systems and Methods Involving Information Modules Including Smart Scrolling, Layout, Capture, Camera, Display and/or Other Features	61/821,216	PRV	CONV PRV	5/8/2013		
Y09831US00	US	4/24/2013	OTH	SYSTEMS AND METHODS OF INVOLVING INFORMATION MODULES INCLUDING LAYOUT, CAPTURE, CAMERA, DISPLAY AND/OR OTHER FEATURES	61/815,724	PRV	CONV PRV	4/24/2013		
Y09830US03	US	12/19/2013	FCA	Method and System for Storytelling on a Computing Device Via User Editing	14/135,146	UTL	PUBLISHED	12/20/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09830US02	US	12/19/2013	FCA	Method and System for Storytelling on a Computing Device Via a Mixed-Media Module Engine	14/135,235	UTL	PUBLISHED	12/19/2012		
Y09830US01	US	12/20/2012	OTH	SYSTEMS AND METHODS INVOLVING INFORMATION MODULES INCLUDING METADATA/METASIGNATURE/SHARED MEDIA PROCESSING, AUTO-PUBLISHING, MOBILE DEVICE, FULL STACK AND/OR OTHER FEATURES*	61/740,416	PRV	CONV PRV	12/20/2012		
Y09830US00	US	12/19/2012	OTH	SYSTEMS AND METHODS INVOLVING INFORMATION MODULES INCLUDING METADATA/METASIGNATURE/SHARED MEDIA PROCESSING, AUTO-PUBLISHING, MOBILE DEVICE, FULL STACK AND/OR OTHER FEATURES*	61/739,698	PRV	CONV PRV	12/19/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09829US01	US	6/12/2013	FCA	SYSTEMS AND METHODS INVOLVING INTEGRATION/CREATION OF SEARCH RESULTS MEDIA MODULES	13/916,562	UTL	PUBLISHED	6/12/2012		
Y09829US00	US	6/12/2012	OTH	SYSTEMS AND METHODS INVOLVING FEATURES OF MULTIMEDIA PROCESSING (PARSING, IMAGE SELECTION, ETC.) SEARCH AND/OR SEARCH INTEGRATION	61/658,908	PRV	CONV PRV	6/12/2012		
Y09828US05	US	12/19/2013	FCA	Method and System for Storytelling on a Computing Device Via Social Media	14/134,976	UTL	PUBLISHED	12/19/2012		
Y09828US04	US	12/19/2013	FCA	Method and System for Storytelling on a Computing Device Via Multiple Sources	14/134,823	UTL	PUBLISHED	12/20/2012		
Y09828US03	US	12/19/2013	FCA	Method and System for Storytelling on a Computing Device	14/134,648	UTL	PUBLISHED	12/20/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09828US02	US	12/20/2012	OTH	SYSTEMS AND METHODS INVOLVING INFORMATION MODULES INCLUDING METADATA/METASIGNA L PROCESSING, AUTO-PUBLISHING, MOBILE DEVICE AND/OR OTHER FEATURES	61/740,280	PRV	CONV PRV	12/20/2012		
Y09828US01	US	12/20/2012	OTH	SYSTEMS AND METHODS INVOLVING INFORMATION MODULES INCLUDING METADATA/METASIGNA L PROCESSING, AUTO-PUBLISHING, MOBILE DEVICE AND/OR OTHER FEATURES	61/740,347	PRV	CONV PRV	12/20/2012		
Y09828US00	US	12/19/2012	OTH	SYSTEMS AND METHODS INVOLVING INFORMATION MODULES INCLUDING METADATA/METASIGNA L PROCESSING, AUTO-PUBLISHING, MOBILE DEVICE AND/OR OTHER FEATURES	61/798,000	PRV	CONV PRV	12/19/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09827US00	US	12/19/2012	OTH	SYSTEMS AND METHODS INVOLVING INFORMATION MODULES INCLUDING AUTO-PUBLISHING, MOBILE DEVICE AND/OR OTHER FEATURES	61/739,669	PRV	CONV PRV	12/19/2012		
Y09823US00	US	5/20/2014	OTH	Rendering Of On-line Content	14/282,639	UTL	PUBLISHED	5/20/2014		
Y09794US00	US	1/18/2013	OTH	Content Gateway	13/745,365	UTL	ABANDONED	1/18/2013		
Y09791US00	US	12/15/2011	OTH	Graphical User Interface For Web Browser	13/327,329	UTL	ABANDONED	12/15/2011		
Y09787US00	US	3/31/2011	OTH	Messaging Interface	13/077,845	UTL	ABANDONED	3/31/2011		
Y09785US00	US	11/30/2010	OTH	User Specific Sharing Feature	12/957,239	UTL	ABANDONED	11/30/2010		
Y09774US04	US	4/21/2015	CON	System And Method For Performing Set Operations With Defined Sketch Accuracy Distribution	14/692,477	UTL	ISSUED	10/6/2013	10/6/2015	9,152,691
Y09774US03	US	7/31/2014	CON	System And Method For Performing Set Operations With Defined Sketch Accuracy Distribution	14/448,487	UTL	ISSUED	10/6/2013	5/26/2015	9,043,348

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09774US02	US	11/12/2013	FCA	System And Method For Performing Set Operations With Defined Sketch Accuracy Distribution	14/078,301	UTL	ISSUED	10/6/2013	8/26/2014	8,819,038
Y09774US01	US	10/7/2013	OTH	System And Method For Performing Set Operations With Defined Sketch Accuracy Distribution	61/887,594	PRV	CONV PRV	10/7/2013		
Y09774US00	US	10/6/2013	OTH	System And Method For Performing Set Operations With Defined Sketch Accuracy Threshold	61/887,375	PRV	CONV PRV	10/6/2013		
Y09764US00	US	12/4/2012	OTH	Classifying a Portion of User Contact Data into Local Contacts	13/693,955	UTL	PUBLISHED	12/4/2012		
Y09763US01	US	3/12/2013	FCA	Using Observations of A Person to Determine if Data Corresponds to the Person	13/797,285	UTL	PUBLISHED	3/28/2012		
Y09763US00	US	3/28/2012	OTH	USING OBSERVATIONS OF A PERSON TO DETERMINE IF DATA CORRESPONDS TO THE PERSON	61/616,486	PRV	CONV PRV	3/28/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09762US00	US	11/2/2012	OTH	Address Extraction from a Communication	13/667,205	UTL	PUBLISHED	11/2/2012		
Y09757US02	US	9/6/2017	CON	Keyword Recommendation	15/696,951	UTL	PUBLISHED	8/5/2013		
Y09757US01	US	10/1/2013	FCA	Keyword Recommendation	14/043,807	UTL	ISSUED	8/5/2013	10/17/2017	9,792,629
Y09757US00	US	8/5/2013	OTH	Search Engine Marketing Optimizer	61/862,476	PRV	CONV PRV	8/5/2013		
Y09754US01	US	7/25/2013	FCA	Location Retargeting System For Online Advertising	13/951,091	UTL	PUBLISHED	7/28/2012		
Y09754US00	US	7/28/2012	OTH	Location Retargeting	61/676,895	PRV	CONV PRV	7/28/2012		
Y09753US01	US	7/29/2013	FCA	Systems and Methods for Implementing A Mobile Application Based Online Advertising System	13/953,025	UTL	PUBLISHED	7/29/2012		
Y09753US00	US	7/30/2012	OTH	Mobile Ad Campaign Workflow	61/677,118	PRV	CONV PRV	7/30/2012		
Y09746US02	US	11/9/2015	CON	Generating a Relationship History	14/936,146	UTL	ISSUED	12/14/2010	12/5/2017	9,838,345
Y09746US01	US	12/13/2011	FCA	Generating a Relationship History	13/324,480	UTL	ISSUED	12/14/2010	11/10/2015	9,183,544
Y09746US00	US	12/14/2010	OTH	Generating a Relationship History	61/423,054	PRV	CONV PRV	12/14/2010		
Y09745US02	US	10/6/2015	CON	Spam Filtering and Person Profiles	14/876,014	UTL	ISSUED	12/14/2010	1/9/2018	9,866,509

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09745US01	US	12/13/2011	FCA	Spam Filtering and Person Profiles	13/324,979	UTL	ISSUED	12/14/2010	10/6/2015	9,152,952
Y09745US00	US	12/14/2010	OTH	Spam Filtering and Person Profiles	61/423,068	PRV	CONV PRV	12/14/2010		
Y09744US02	US	8/28/2017	CON	Presenting Entity Profile Information To A User Of A Computing Device	15/688,015	UTL	PENDING	6/30/2011		
Y09744US01	US	6/27/2012	FCA	Presenting Entity Profile Information to a User of a Computing Device	13/534,612	UTL	ISSUED	6/30/2011	8/29/2017	9,747,583
Y09744US00	US	6/30/2011	OTH	Presenting Entity Profile Information to a User of a Computing Device	61/503,570	PRV	CONV PRV	6/30/2011		
Y09743US05	US	2/7/2017	CON	Personalizing An Online Service Based On Data Collected For A User Of A Computing Device	15/426,343	UTL	PUBLISHED	6/24/2011		
Y09743US04	US	11/25/2013	CON	Personalizing an Online Service Based on Data Collected for a User of a Computing Device	14/089,506	UTL	ISSUED	6/24/2011	3/14/2017	9,594,832
Y09743US03	US	11/25/2013	CON	Personalizing an Online Service Based on Data Collected for a User of a Computing Device	14/089,485	UTL	ISSUED	6/24/2011	11/22/2016	9,501,561

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09743US02	US	11/19/2013	CON	Personalizing an Online Service Based on Data Collected for a User of a Computing Device	14/084,299	UTL	ISSUED	6/24/2011	2/14/2017	9,569,529
Y09743US01	US	6/22/2012	FCA	Personalizing an Online Service Based on Data Collected for a User of a Computing Device	13/531,337	UTL	ISSUED	6/24/2011	12/31/2013	8,620,935
Y09743US00	US	6/24/2011	OTH	Personalizing an Online Service Based on Data Collected for a User of a Computing Device	61/500,613	PRV	CONV PRV	6/24/2011		
Y09742US01	US	6/20/2012	FCA	Presenting Favorite Contacts Information to a User of a Computing Device	13/528,697	UTL	PUBLISHED	6/21/2011		
Y09742US00	US	6/21/2011	OTH	Presenting Favorite Contacts Information to a User of a Computing Device	61/499,652	PRV	CONV PRV	6/21/2011		
Y09741US03	US	6/20/2017	CON	Systems and Methods to Present Voice Message Information to a User of a Computing Device	15/627,524	UTL	PUBLISHED	6/21/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09741US02	US	2/27/2015	CON	Systems and Methods to Present Voice Message Information to a User of a Computing Device	14/634,111	UTL	ISSUED	6/21/2011	6/20/2017	9,685,158
Y09741US01	US	6/20/2012	FCA	Systems and Methods to Present Voice Message Information to a User of a Computing Device	13/528,693	UTL	ISSUED	6/21/2011	3/3/2015	8,972,257
Y09741US00	US	6/21/2011	OTH	Systems and Methods to Present Voice Message Information to a User of a Computing Device	61/499,643	PRV	CONV PRV	6/21/2011		
Y09740US02	US	11/14/2014	CON	Sender-Based Ranking of Person Profiles and Multi-Person Automatic Suggestions	14/542,160	UTL	ISSUED	12/14/2010	10/13/2015	9,159,057
Y09740US01	US	12/13/2011	FCA	Sender-Based Ranking of Person Profiles and Multi-Person Automatic Suggestions	13/324,491	UTL	ISSUED	12/14/2010	3/17/2015	8,984,074
Y09740US00	US	12/14/2010	OTH	Sender-Based Ranking of Person Profiles and Multi-Person Automatic Suggestions	61/423,052	PRV	CONV PRV	12/14/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09739US02	US	7/27/2017	CON	Locally Hosting a Social Network Using Social Data Stored on a User's Computer	15/661,478	UTL	PENDING	10/12/2010		
Y09739US01	US	10/12/2011	FCA	Locally Hosting a Social Network Using Social Data Stored on a User's Computer	13/272,164	UTL	ISSUED	10/12/2010	8/1/2017	9,721,228
Y09739US00	US	10/12/2010	OTH	Locally Hosting a Social Network Using Social Data Stored on a User's Computer	61/392,444	PRV	CONV PRV	10/12/2010		
Y09738US02	US	2/6/2015	CON	Defining a Social Network Model Implied by Communications Data	14/616,095	UTL	ISSUED	10/12/2010	10/24/2017	9,800,679
Y09738US01	US	10/12/2011	FCA	Defining a Social Network Model Implied by Communications Data	13/272,160	UTL	ISSUED	10/12/2010	3/24/2015	8,990,323
Y09738US00	US	10/12/2010	OTH	Defining a Social Network Model Implied by Communications Data	61/392,441	PRV	CONV PRV	10/12/2010		
Y09737US03	US	2/2/2016	CON	Self Populating Address Book	15/013,281	UTL	PUBLISHED	6/2/2009		
Y09737US02	US	11/19/2013	CON	Self Populating Address Book	14/084,491	UTL	ISSUED	6/2/2009	3/1/2016	9,275,126
Y09737US01	US	6/2/2010	CON	Self Populating Address Book	12/792,698	UTL	ISSUED	6/2/2009	2/25/2014	8,661,002
Y09737US00	US	6/2/2009	OTH	Self Populating Address Book	61/183,315	PRV	CONV PRV	6/2/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09736US02	US	2/23/2017	DIV	Presentation of Organized Personal and Public Data Using Communication Mediums	15/440,527	UTL	PUBLISHED	1/3/2008		
Y09736US01	US	1/5/2009	FCA	Presentation of Organized Personal and Public Data Using Communication Mediums	12/348,870	UTL	ISSUED	1/3/2008	2/28/2017	9,584,343
Y09736US00	US	1/3/2008	OTH	Presentation of Organized Personal and Public Data Using Communication Mediums	61/018,883	PRV	CONV PRV	1/3/2008		
Y09735US17	US	7/22/2017	CON	Display of Communication System Usage Statistics	15/657,139	UTL	PUBLISHED	7/25/2007		
Y09735US16	US	7/1/2017	CON	Method and System for Collecting and Presenting Historical Communication Data for a Mobile Device	15/640,513	UTL	PUBLISHED	7/25/2007		
Y09735US15	US	3/11/2017	CON	Display of Person Based Information Including Person Notes	15/456,503	UTL	PENDING	7/25/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09735US14	US	2/29/2016	CON	Method and System for Collecting and Presenting Historical Communication Data	15/055,777	UTL	PUBLISHED	7/25/2007		
Y09735US13	US	6/15/2015	CON	Indexing and Searching Content Behind Links Presented in a Communication	14/739,370	UTL	PUBLISHED	7/25/2007		
Y09735US12	US	3/25/2014	CON	Indexing and Searching Content Behind Links Presented in a Communication	14/224,446	UTL	ISSUED	7/25/2007	6/16/2015	9,058,366
Y09735US11	US	11/25/2013	CON	Method and System for Collecting and Presenting Historical Communication Data for a Mobile Device	14/089,590	UTL	ISSUED	7/25/2007	7/4/2017	9,699,258
Y09735US10	US	7/25/2008	FCA	Indexing and Searching Content Behind Links Presented in a Communication	12/180,503	UTL	ISSUED	7/25/2007	6/3/2014	8,745,060

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09735US09	US	7/25/2008	FCA	METHOD AND SYSTEM FOR DISPLAY OF INFORMATION IN A COMMUNICATION SYSTEM GATHERED FROM EXTERNAL SOURCES	12/180,502	UTL	ISSUED	7/25/2007	10/1/2013	8,549,412
Y09735US08	US	7/25/2008	FCA	Display of Information in Electronic Communications	12/180,498	UTL	ISSUED	7/25/2007	3/7/2017	9,591,086
Y09735US07	US	7/25/2008	FCA	Method and System for Collecting and Presenting Historical Communication Data	12/180,495	UTL	ISSUED	7/25/2007	3/1/2016	9,275,118
Y09735US06	US	7/25/2008	FCA	DISPLAY OF PROFILE INFORMATION BASED ON IMPLICIT ACTIONS	12/180,489	UTL	ISSUED	7/25/2007	6/18/2013	8,468,168
Y09735US05	US	7/25/2008	FCA	Display of Attachment Based Information within a Messaging System	12/180,483	UTL	ISSUED	7/25/2007	3/29/2016	9,298,783
Y09735US04	US	7/25/2008	FCA	Display of Person Based Information Including Person Notes	12/180,475	UTL	ISSUED	7/25/2007	3/14/2017	9,596,308

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09735US03	US	7/25/2008	FCA	Application Programming Interfaces for Communication Systems	12/180,471	UTL	PUBLISHED	7/25/2007		
Y09735US02	US	7/25/2008	FCA	Display of Communication System Usage Statistics	12/180,469	UTL	ISSUED	7/25/2007	7/25/2017	9,716,764
Y09735US01	US	7/25/2008	FCA	Method and System for Collecting and Presenting Historical Communication Data for a Mobile Device	12/180,453	UTL	ISSUED	7/25/2007	12/3/2013	8,600,343
Y09735US00	US	7/25/2007	OTH	Presentation of Personal and Public Data Queried Through Implicit Actions	60/951,880	PRV	CONV PRV	7/25/2007		
Y09734US06	US	12/6/2017	CON	Presenting Suggestions for User Input Based on Client Device Characteristics	15/832,809	UTL	PENDING	2/3/2010		
Y09734US05	US	12/3/2013	CON	Providing Profile Information Using Servers	14/095,886	UTL	ISSUED	2/3/2010	12/12/2017	9,842,145
Y09734US04	US	11/4/2011	CON	Presenting Suggestions for User Input Based on Client Device Characteristics	13/289,888	UTL	ISSUED	2/3/2010	12/12/2017	9,842,144

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09734US03	US	9/3/2010	CON	Providing User Input Suggestions for Conflicting Data Using Rank Determinations	12/875,996	UTL	ISSUED	2/3/2010	4/16/2013	8,423,545
Y09734US02	US	9/3/2010	FCA	Providing Profile Information Using Servers	12/875,982	UTL	ISSUED	2/3/2010	4/28/2015	9,020,938
Y09734US01	US	9/3/2010	FCA	Presenting Suggestions for User Input Based on Client Device Characteristics	12/875,603	UTL	ABANDONED	2/3/2010		
Y09734US00	US	2/3/2010	OTH	Systems and Methods to Provide Profile Information using Servers	61/301,172	PRV	CONV PRV	2/3/2010		
Y09733US02	US	5/26/2011	FCA	Presenting Information to a User Based on the Current State of a User Device	13/117,020	UTL	ISSUED	5/27/2010	6/17/2014	8,754,848
Y09733US01	US	5/26/2011	FCA	Presenting a New User Screen in Response to Detection of a User Motion	13/117,015	UTL	ISSUED	5/27/2010	3/17/2015	8,982,053
Y09733US00	US	5/27/2010	OTH	Presenting a New User Screen in Response to Detection of a User Motion	61/349,162	PRV	CONV PRV	5/27/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09732US02	US	12/5/2016	CON	Collecting And Presenting Data Including Links From Communications Sent To Or From A User	15/368,886	UTL	PENDING	11/16/2009		
Y09732US01	US	11/11/2010	FCA	COLLECTING AND PRESENTING DATA INCLUDING LINKS FROM COMMUNICATIONS SENT TO OR FROM A USER	12/944,650	UTL	ISSUED	11/16/2009	12/6/2016	9,514,466
Y09732US00	US	11/16/2009	OTH	Method and System for Collecting and Presenting Historical Communication Data	61/261,680	PRV	CONV PRV	11/16/2009		
Y09720US02	US	9/8/2017	CON	Systems and Methods to Provide Server Side Profile Information	15/699,197	UTL	PUBLISHED	12/15/2009		
Y09720US01	US	12/15/2009	OTH	Systems and Methods to Provide Server Side Profile Information	12/638,934	UTL	ISSUED	12/15/2009	9/12/2017	9,760,866
Y09720US00	US	12/14/2009	OTH	SYSTEMS AND METHODS TO PROVIDE SERVER SIDE PROFILE INFORMATION	61/286,165	PRV	CONV PRV	12/14/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09719US01	US	2/3/2011	FCA	Systems and Methods to Identify Users using an Automated Learning Process	13/020,774	UTL	ISSUED	2/3/2010	12/30/2014	8,924,956
Y09719US00	US	2/3/2010	OTH	Systems and Methods to Identify Users using an Automated Learning Process	61/301,173	PRV	CONV PRV	2/3/2010		
Y09718US00	US	10/14/2009	OTH	Systems and Methods to Automatically Generate a Signature Block	12/579,321	UTL	ISSUED	10/14/2009	7/21/2015	9,087,323
Y09717US03	US	3/2/2012	CON	SYSTEMS AND METHODS TO PROVIDE ASSISTANCE DURING USER INPUT	13/411,310	UTL	ISSUED	7/8/2009	11/14/2017	9,819,765
Y09717US02	US	4/19/2011	CON	SYSTEMS AND METHODS TO PROVIDE ASSISTANCE DURING ADDRESS INPUT	13/090,084	UTL	ISSUED	7/8/2009	3/27/2012	8,145,791
Y09717US01	US	7/7/2010	CON	SYSTEMS AND METHODS TO PROVIDE ASSISTANCE DURING ADDRESS INPUT	12/832,029	UTL	ISSUED	7/8/2009	9/28/2010	7,805,492

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09717US00	US	7/8/2009	OTH	SYSTEMS AND METHODS TO PROVIDE ASSISTANCE DURING ADDRESS INPUT	12/499,775	UTL	ISSUED	7/8/2009	4/19/2011	7,930,430
Y09716US01	US	4/27/2015	CON	Systems and Methods for Spam Filtering	14/697,089	UTL	PUBLISHED	8/4/2009		
Y09716US00	US	8/4/2009	OTH	Systems and Methods for Spam filtering	12/535,659	UTL	ISSUED	8/4/2009	4/28/2015	9,021,028
Y09715US03	US	10/28/2013	CON	Systems and Methods for Event-Based Profile Building	14/065,296	UTL	ISSUED	8/3/2009	10/13/2015	9,160,690
Y09715US02	US	10/28/2013	CON	Systems and Methods for Profile Building Using Location Information from a User Device	14/065,268	UTL	ISSUED	8/3/2009	10/13/2015	9,160,689
Y09715US01	US	4/26/2010	FCA	SYSTEMS AND METHODS FOR PROFILE BUILDING	12/767,764	UTL	ISSUED	8/3/2009	10/29/2013	8,572,191
Y09715US00	US	8/3/2009	OTH	SYSTEMS AND METHODS FOR PROFILE BUILDING	61/230,957	PRV	CONV PRV	8/3/2009		
Y09714US07	US	12/17/2012	FCA	SYSTEMS AND METHODS INVOLVING FEATURES OF SEARCH AND/OR SEARCH INTEGRATION	13/717,672	UTL	ABANDONED	12/15/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09713US15	US	5/23/2013	FCA	SYSTEMS AND METHODS INVOLVING CREATION OF INFORMATION MODULES, INCLUDING SERVER, MEDIA SEARCHING, USER INTERFACE AND/OR OTHER FEATURES	13/901,561	UTL	ISSUED	5/23/2012	12/12/2017	9,843,823
Y09713US14	US	2/28/2013	OTH	Systems And Methods Involving Creation/display/utilization Of Information Modules, Such As Mixed-media And Multimedia Modules	13/781,382	UTL	PUBLISHED	2/28/2012		
Y09713US13	US	12/20/2012	FCA	Systems and Methods Involving Features of Creation/Viewing/Utilization of Information Modules Such as Mixed-media Modules	13/723,175	UTL	PUBLISHED	12/20/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09713US12	US	12/20/2012	FCA	Systems and Methods Involving Features of Creation/Viewing/Utilization of Information Modules Such as Mixed-Media Modules	13/723,171	UTL	PUBLISHED	12/20/2011		
Y09713US11	US	5/23/2012	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/650,998	PRV	CONV PRV	5/23/2012		
Y09713US10	US	2/29/2012	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/605,180	PRV	CONV PRV	2/29/2012		
Y09713US09	US	2/29/2012	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/605,176	PRV	CONV PRV	2/29/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09713US08	US	2/28/2012	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/604,496	PRV	CONV PRV	2/28/2012		
Y09713US07	US	2/28/2012	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/604,495	PRV	CONV PRV	2/28/2012		
Y09713US06	US	2/28/2012	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/604,487	PRV	CONV PRV	2/28/2012		
Y09713US05	US	2/28/2012	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/604,488	PRV	CONV PRV	2/28/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09713US04	US	2/28/2012	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/604,490	PRV	CONV PRV	2/28/2012		
Y09713US03	US	2/28/2012	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/604,485	PRV	CONV PRV	2/28/2012		
Y09713US02	US	12/20/2011	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/578,227	PRV	CONV PRV	12/20/2011		
Y09713US01	US	12/20/2011	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/578,226	PRV	CONV PRV	12/20/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09713US00	US	12/20/2011	OTH	SYSTEMS AND METHODS INVOLVING CREATION/DISPLAY/UTILIZATION OF INFORMATION MODULES, SUCH AS MULTIMEDIA MODULES	61/578,209	PRV	CONV PRV	12/20/2011		
Y09711US00	US	2/6/2013	OTH	SYSTEMS AND METHODS OF CAPTURING METADATA AND META-SIGNALS OF RECORDED MEDIA ON MOBILE DEVICES AND AUTO-PUBLISHING EVENT-BASED MEDIA INTO A SYNCHRONIZED, EDITABLE MULTIMEDIA STORY WITH ONE TAP STORYTELLING	61/761,675	PRV	CONV PRV	2/6/2013		
Y09703US00	US	4/19/2011	OTH	SYSTEMS AND METHODS FOR ASSEMBLING AND DISPLAYING MEDIA PRESENTATIONS	61/477,092	PRV	CONV PRV	4/19/2011		
Y09700US04	US	3/20/2017	CON	Systems and Methods for Assembling and/or Displaying Multimedia Objects, Modules or Presentations	15/464,109	UTL	PUBLISHED	10/20/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09700US03	US	11/2/2015	CON	Method and System for Assembling Animated Media Based on Keyword and String Input	14/930,470	UTL	PUBLISHED	10/20/2009		
Y09700US02	US	4/19/2012	OTH	Systems and Methods for Assembling and/or Displaying Multimedia Objects, Modules or Presentations	13/451,483	UTL	ISSUED	10/20/2009	3/21/2017	9,600,919
Y09700US01	US	10/13/2010	OTH	Method and System for Assembling Animated Media Based on Keyword and String Input	12/903,723	UTL	ISSUED	10/20/2009	11/3/2015	9,177,407
Y09700US00	US	10/20/2009	OTH	METHOD AND SYSTEM FOR ASSEMBLING DYNAMIC ANIMATED MEDIA BASED ON KEYWORD AND STRING INPUT	61/253,275	PRV	CONV PRV	10/20/2009		
Y09698US00	US	12/30/2013	OTH	Smart Content Pre-Loading on Client Devices	14/144,544	UTL	PUBLISHED	12/30/2013		
Y09672US00	US	11/25/2013	OTH	Automatic Draft Email Notification	14/088,525	UTL	ISSUED	11/25/2013	9/19/2017	9,767,439
Y09665US00	US	1/6/2014	OTH	Content Ranking Based On User Features In Content	14/147,789	UTL	ISSUED	1/6/2014	4/25/2017	9,633,119

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09606US00	US	7/1/2013	OTH	Unified Marketplace for Advertisements and Content in an Online System	13/932,766	UTL	ISSUED	7/1/2013	7/22/2014	8,788,338
Y09597US00	US	1/9/2014	OTH	Method and system for classifying man vs. machine generated e-mail	14/150,788	UTL	PUBLISHED	1/9/2014		
Y09583US00	US	8/28/2013	OTH	Prioritizing Items From Different Categories In A News Stream	14/012,932	UTL	PUBLISHED	8/28/2013		
Y09581US00	US	12/31/2013	OTH	Photo Privacy	14/145,669	UTL	PUBLISHED	12/31/2013		
Y09540US00	US	10/3/2013	OTH	Email Frequency And Consolidation Assistant	14/045,561	UTL	PUBLISHED	10/3/2013		
Y09525US01	US	7/10/2017	CON	Customized Content Stream Utilizing Dwelltime-Based Machine Learning	15/645,986	UTL	PUBLISHED	10/25/2013		
Y09525US00	US	10/25/2013	OTH	Customized News Stream Utilizing Dwelltime-Based Machine Learning	14/064,007	UTL	ISSUED	10/25/2013	7/11/2017	9,703,783
Y09516US00	US	8/23/2013	OTH	Dwell Time Based Advertising in a Scrollable Content Stream	13/975,157	UTL	PUBLISHED	8/23/2013		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09515US00	US	7/29/2013	OTH	METHOD AND SYSTEM FOR DYNAMICALLY CHANGING A HEADER SPACE IN A GRAPHICAL USER INTERFACE	13/952,734	UTL	PUBLISHED	7/29/2013		
Y09512US01	US	6/20/2016	CON	DISPLAYING LOCATION-BASED IMAGES THAT MATCH THE WEATHER CONDITIONS	15/187,069	UTL	PENDING	8/12/2013		
Y09512US00	US	8/12/2013	OTH	DISPLAYING LOCATION-BASED IMAGES THAT MATCH THE WEATHER CONDITIONS	13/964,499	UTL	ISSUED	8/12/2013	7/5/2016	9,386,432
Y09511US00	US	8/23/2013	OTH	Dwell Time Based Advertising	13/975,151	UTL	PUBLISHED	8/23/2013		
Y09510US00	US	7/17/2013	OTH	Determination of General and Topical News and Geographical Scope of News Content	13/944,409	UTL	ISSUED	7/17/2013	10/31/2017	9,807,181
Y09509US01	US	4/29/2013	OTH	System and Method for Producing Proposed Online Advertisements from Pre-Existing Advertising Creatives	13/872,453	UTL	PUBLISHED	4/29/2013		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09509US00	US	4/29/2013	OTH	System and Method for Booking an Online Advertising Campaign	13/872,436	UTL	PUBLISHED	4/29/2013		
Y09501US00	US	7/22/2015	DCA	Graphical User Interface for Presenting a Menu of Options	14/427,330	UTL	PUBLISHED	9/11/2012		
Y09500US01	US	11/3/2014	DCA	Method and Apparatus for automatically summarizing the contents of electronic documents	14/348,830	UTL	PUBLISHED	12/8/2011		
Y09500US00	US	12/8/2011	OTH	Method and Apparatus for automatically summarizing the contents of electronic documents	61/568,188	PRV	CONV PRV	12/8/2011		
Y09499US01	US	11/1/2012	FCA	Systems and methods for determining related places	13/666,844	UTL	ISSUED	12/16/2011	8/18/2015	9,110,894
Y09499US00	US	12/16/2011	OTH	Location-based recommendations	61/576,549	PRV	CONV PRV	12/16/2011		
Y09478US02	US	3/29/2016	CON	Method and Apparatus for Facilitating Message Selection and Organization	15/083,905	UTL	ISSUED	4/5/2013	5/9/2017	9,645,710

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09478US01	US	12/18/2013	DIV	Method and Apparatus for Facilitating Message Selection and Organization with Group-Level Actions	14/132,617	UTL	ISSUED	4/5/2013	3/1/2016	9,274,691
Y09478US00	US	4/5/2013	OTH	Method and Apparatus for Facilitating Message Selection and Organization	13/857,929	UTL	ISSUED	4/5/2013	4/5/2016	9,304,665
Y09453US00	US	11/7/2013	OTH	Dwell-Time Based Generation of a User Interest Profile	14/074,616	UTL	ISSUED	11/7/2013	4/25/2017	9,633,017
Y09447US00	US	12/4/2013	OTH	Automatic Detection of Expiration Time of Event-Based Articles	14/096,944	UTL	PUBLISHED	12/4/2013		
Y09403US00	US	3/15/2013	OTH	Method and System for Measuring User Engagement Using Scroll Dwell Time	13/836,758	UTL	PUBLISHED	3/15/2013		
Y09402US00	US	3/15/2013	OTH	Method and System for Multi-Phase Ranking for Content Personalization	13/839,169	UTL	PUBLISHED	3/15/2013		
Y09394US00	US	3/15/2013	OTH	Method And System For Measuring User Engagement Using Click/skip In Content Stream	13/836,556	UTL	PUBLISHED	3/15/2013		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09382US00	US	3/15/2013	OTH	Method and System for Measuring User Engagement From Stream Depth	13/836,218	UTL	PUBLISHED	3/15/2013		
Y09369US00	US	6/21/2013	OTH	System And Method For Contextually Enriching Content Of A Referrer Page When Returning From A Landing Page	13/924,497	UTL	ISSUED	6/21/2013	1/23/2018	9,875,317
Y09321US00	US	3/15/2013	OTH	Page Personalization Based on Article Display Time	13/843,504	UTL	PUBLISHED	3/15/2013		
Y09317US00	US	12/23/2013	OTH	Method and System for Delivering Web Page Content Using Edge Server	14/138,296	UTL	PUBLISHED	12/23/2013		
Y09311US01	US	11/8/2013	OTH	Media Forums for Managing Mobile Generated User Content and Associations to Articles	14/076,086	UTL	PUBLISHED	11/8/2013		
Y09311US00	US	11/8/2013	OTH	Media Forums for Presenting and Managing User Generated Content Regarding Articles Presented on Websites	14/076,082	UTL	ISSUED	11/8/2013	1/2/2018	9,858,249

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09301US00	US	7/12/2013	OTH	Serving Of Web Pages According To Web Site Launch Times	13/941,294	UTL	ISSUED	7/12/2013	11/15/2016	9,497,251
Y09296US00	US	8/28/2013	OTH	System And Methods For User Curated Media	14/012,961	UTL	PUBLISHED	8/28/2013		
Y09293US00	US	9/6/2013	OTH	SYSTEM AND METHOD FOR IDENTIFICATION OF SUBJECT LINE TEMPLATES	14/020,614	UTL	PUBLISHED	9/6/2013		
Y09248US00	US	9/11/2013	OTH	Unified End User Notification Platform	14/024,020	UTL	PUBLISHED	9/11/2013		
Y09183US00	US	6/13/2013	OTH	SYSTEMS AND METHODS FOR IMAGE-BASED RECOMMENDATIONS	13/916,886	UTL	ISSUED	6/13/2013	8/8/2017	9,727,901
Y09182US01	US	7/7/2016	CON	System and Method for Measuring the Virality of Internet Content Using Indices	15/204,870	UTL	PUBLISHED	5/16/2013		
Y09182US00	US	5/16/2013	OTH	System and Method for Measuring the Virality of Internet Content Using Indices	13/895,981	UTL	ISSUED	5/16/2013	8/9/2016	9,413,834
Y09178US01	US	10/10/2016	CON	System and Methods for Contextual Mail Recommendations	15/289,637	UTL	PUBLISHED	6/4/2013		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09178US00	US	6/4/2013	OTH	System and Method for Contextual Mail Recommendations	13/909,534	UTL	ISSUED	6/4/2013	10/11/2016	9,467,409
Y09175US00	US	12/11/2013	OTH	Method and System for Smart URL Shortening Service	14/103,480	UTL	PUBLISHED	12/11/2013		
Y09174US00	US	4/17/2013	OTH	Visual Clothing Retrieval	13/865,142	UTL	ISSUED	4/17/2013	10/4/2016	9,460,518
Y09146US00	US	6/4/2013	OTH	Method and System Handling Images on a Multi-Touch Device	13/909,233	UTL	PUBLISHED	6/4/2013		
Y09095US00	US	2/21/2013	OTH	System and Method of Using Context in Selecting a Response to User Device Interaction	13/772,714	UTL	PUBLISHED	2/21/2013		
Y09067US01	US	8/2/2016	CON	Image-Based Faceted System and Method	15/225,908	UTL	PUBLISHED	6/10/2013		
Y09067US00	US	6/10/2013	OTH	Image Based Faceted System and Method	13/913,943	UTL	ISSUED	6/10/2013	8/9/2016	9,411,829
Y09045US01	US	8/6/2014	CIP	Method and System for Identifying and Delivering Enriched Content	14/452,645	UTL	ISSUED	6/14/2013	6/13/2017	9,679,082
Y09045US00	US	6/10/2014	DCA	Method and System for Identifying and Delivering Enriched Content	14/364,168	UTL	PUBLISHED	6/14/2013		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y09042US00	US	3/11/2014	DCA	Method and System for Cross Device Notification	14/344,120	UTL	ISSUED	3/15/2013	8/2/2016	9,407,586
Y09041US00	US	3/21/2014	DCA	Method and System for Retrieving User-Specific Information	14/346,512	UTL	PUBLISHED	3/15/2013		
Y09032US00	US	6/26/2013	OTH	Fantasy Sports with Situational Substitutions of Players	13/928,100	UTL	PUBLISHED	6/26/2013		
Y09015US00	US	9/13/2013	OTH	System and Method for Enhancing Multi-Module Experience	14/027,140	UTL	ISSUED	9/13/2013	7/26/2016	9,401,948
Y08999US00D1	US	3/14/2013	OTH	Display Screen Or Portion Thereof With Transitional Graphical User Interface	29/449,283	DES	ISSUED	3/14/2013	4/19/2016	D754,185
Y08993US00	US	5/3/2013	OTH	Selecting And Serving Content Based on Scroll Pattern Recognition	13/886,581	UTL	ISSUED	5/3/2013	5/10/2016	9,335,914
Y08955US00	US	3/28/2013	OTH	Client Side Browser Notification	13/852,985	UTL	ISSUED	3/28/2013	12/20/2016	9,524,509
Y08938US00D1	US	2/28/2013	OTH	Portion of a Display Screen with Graphical User Interface	29/447,038	DES	ISSUED	2/28/2013	10/13/2015	D740,854

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y08938US00	US	2/28/2013	OTH	Method and System for Displaying Email Messages	13/780,922	UTL	PUBLISHED	2/28/2013		
Y08899US00	US	7/19/2013	OTH	MAIL FEEDBACK TO THE ADVERTISERS	13/946,047	UTL	PUBLISHED	7/19/2013		
Y08898US00	US	2/4/2013	OTH	System and Method for Monetization in Photo Sharing Sites	13/758,500	UTL	PUBLISHED	2/4/2013		
Y08887US00	US	4/26/2013	OTH	Advertising Game System	13/871,613	UTL	ABANDONED	4/26/2013		
Y08856US00	US	3/15/2013	OTH	System and Method of Event Publication in a Goal Achievement Platform	13/834,277	UTL	ISSUED	3/15/2013	10/6/2015	9,152,920
Y08767US00	US	11/19/2012	OTH	System and Method for Touch-Based Communications	13/680,588	UTL	PUBLISHED	11/19/2012		
Y08715US01	US	12/12/2016	CON	Media content Enrichment Using an Adapted Object Detector	15/375,868	UTL	PUBLISHED	3/12/2013		
Y08715US00	US	5/15/2013	CEQ	Media content Enrichment Using an Adapted Object Detector	13/894,814	UTL	ISSUED	3/12/2013	12/13/2016	9,519,659
Y08705US00	US	8/10/2012	OTH	METHOD AND SYSTEM FOR VOICE BASED MOOD ANALYSIS	13/571,365	UTL	ABANDONED	8/10/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y08675US00	US	8/28/2012	OTH	System and Method for Providing Selective and Visible Personalized Content for Webpages	13/597,222	UTL	ISSUED	8/28/2012	3/7/2017	9,588,784
Y08669US00	US	8/14/2013	OTH	System and Method for Mailing List Identification and Representation	13/966,458	UTL	ISSUED	8/14/2013	3/14/2017	9,596,205
Y08658US00	US	3/15/2013	OTH	Visualizing Regions Characterized by Labeled Measurements	13/815,833	UTL	ISSUED	3/15/2013	2/23/2016	9,269,125
Y08648US00	US	8/9/2012	OTH	Method and System for Displaying Relevant Advertisements Based on Characteristic Tags	13/570,252	UTL	ABANDONED	8/9/2012		
Y08577US00	US	2/12/2013	OTH	Dynamic generation of mobile web experience	13/765,553	UTL	PUBLISHED	2/12/2013		
Y08564US01	US	11/9/2015	CON	Framework For Marketplace Analysis	14/936,021	UTL	PUBLISHED	6/29/2012		
Y08564US00	US	6/29/2012	OTH	Framework For Marketplace Analysis	13/538,902	UTL	ISSUED	6/29/2012	11/10/2015	9,183,564

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y08536US01	US	6/22/2016	CON	User Behavior Models Based On Source Domain	15/189,884	UTL	PENDING	12/28/2012		
Y08524US00	US	12/19/2012	OTH	Automated Categorization Of Products In A Merchant Catalog	13/720,703	UTL	PUBLISHED	12/19/2012		
Y08431US00D3	US	8/14/2012	OTH	Display Screen with Graphical User Interface	29/429,597	DES	ISSUED	8/14/2012	10/28/2014	D716,342
Y08431US00D2	US	8/14/2012	OTH	Computer User Interface	29/429,595	DES	ISSUED	8/14/2012	5/13/2014	D704,732
Y08431US00D1	US	8/14/2012	OTH	Computer User Interface	29/429,593	DES	ABANDONED	8/14/2012		
Y08374US00	US	6/29/2012	OTH	METHODS AND SYSTEMS FOR TARGETING ADS BASED ON RISK BEHAVIOR METADATA	13/537,775	UTL	ABANDONED	6/29/2012		
Y08332US00	US	4/27/2012	OTH	Systems and Methods for Personalized Generalized Content Recommendations	13/458,897	UTL	ISSUED	4/27/2012	12/5/2017	9,836,545
Y08330US00	US	4/18/2012	OTH	Method and System for Search Assistance	13/449,568	UTL	ABANDONED	4/18/2012		
Y08326US00D2	US	10/2/2014	CON	Display Screen with a Graphical User Interface Displaying a Content Wheel	29/504,175	DES	ISSUED	4/27/2012	7/11/2017	D791800
Y08326US00D1	US	4/27/2012	CON	Graphical User Interface	29/419,494	DES	ABANDONED	4/27/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y08326US00	US	4/27/2012	OTH	Infinite Wheel User Interface	13/458,976	UTL	ABANDONED	4/27/2012		
Y08323US00	US	10/16/2012	OTH	Content Layout Determination	13/652,674	UTL	PUBLISHED	10/16/2012		
Y08262US00	US	3/21/2012	OTH	Seamless Browsing Between Devices	13/425,558	UTL	PUBLISHED	3/21/2012		
Y08227US00	US	6/7/2012	OTH	Page Personalization Performed by An Edge Server	13/491,517	UTL	PUBLISHED	6/7/2012		
Y08176US02	US	5/1/2012	OTH	Contextual Application Tracking	13/461,271	UTL	PUBLISHED	5/1/2012		
Y08176US01	US	5/1/2012	OTH	Contextual Application Customization	13/461,108	UTL	PUBLISHED	5/1/2012		
Y08176US00	US	5/1/2012	OTH	Contextual Application Delivery	13/461,010	UTL	PUBLISHED	5/1/2012		
Y08172US00	US	3/8/2012	OTH	METHOD AND SYSTEM FOR PROVIDING RELEVANT ADVERTISEMENTS BY MONITORING SCROLL-SPEEDS	13/415,011	UTL	ABANDONED	3/8/2012		
Y08167US00	US	4/12/2012	OTH	BEST PRICE DISCOVERY WITH BUYER COMMITMENT	13/445,232	UTL	ABANDONED	4/12/2012		
Y08146US00	US	5/16/2012	OTH	METHOD AND SYSTEM FOR EDITING A WEB PAGE	13/472,486	UTL	ABANDONED	5/16/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y08136US00	US	7/26/2012	OTH	Forecasting an Outcome of an Election	13/559,527	UTL	ABANDONED	7/26/2012		
Y08132US00	US	7/2/2012	OTH	Social Networking Feed Delivery System and Method	13/539,949	UTL	ISSUED	7/2/2012	3/11/2014	8,671,141
Y08120US00	US	5/27/2012	OTH	Method and System for Generating Recipients while Composing Electronic Emails	13/481,854	UTL	ISSUED	5/27/2012	12/30/2014	8,924,492
Y08119US00	US	5/16/2012	OTH	Method And System For Dynamically Optimizing Profit For Guaranteed Deal Bidding	13/472,482	UTL	ABANDONED	5/16/2012		
Y08096US00	US	9/13/2012	OTH	Volume based, television related advertisement targeting	13/613,251	UTL	ABANDONED	9/13/2012		
Y08091US00	US	7/31/2012	OTH	Apparatus, System, and Method for Expert Identification to Answer Users Queries	13/563,638	UTL	PUBLISHED	7/31/2012		
Y08082US00	US	9/15/2012	OTH	Testing Framework for Dynamic Web Pages	13/620,791	UTL	ISSUED	9/15/2012	7/7/2015	9,075,917
Y08032US00	US	6/29/2012	OTH	METHOD OR SYSTEM FOR RANKING RELATED NEWS PREDICTIONS	13/538,798	UTL	ISSUED	6/29/2012	6/14/2016	9,367,633

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y08020US00	US	1/18/2012	OTH	METHOD AND SYSTEM FOR PROVIDING SETS OF USER COMMENTS AS ANSWERS TO A QUESTION	13/352,651	UTL	ABANDONED	1/18/2012		
Y07990US00	US	2/20/2012	OTH	Method and System For Providing A Structured Topic Drift For A Displayed Set Of User Comments On An Article	13/400,125	UTL	ISSUED	2/20/2012	10/6/2015	9,152,948
Y07988US00	US	2/7/2012	OTH	Targeted Local Deals For Content Sharing Sites Based On Location Metadata	13/367,963	UTL	ABANDONED	2/7/2012		
Y07940US00	US	4/27/2012	OTH	System And Method For A Cloud-Based Electronic Communication Vault	13/457,744	UTL	ISSUED	4/27/2012	7/22/2014	8,788,819
Y07938US00	US	9/27/2012	OTH	Method and system for formulating bids for internet advertising using forecast data	13/629,413	UTL	ABANDONED	9/27/2012		
Y07926US00	US	6/26/2012	OTH	System and Method of Predicting Community Member Responsiveness	13/533,020	UTL	PUBLISHED	6/26/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07902US00	US	7/10/2012	OTH	Network Appliance	13/545,099	UTL	PUBLISHED	7/10/2012		
Y07901US00	US	5/30/2012	OTH	System and Methods for Providing Content	13/483,175	UTL	PUBLISHED	5/30/2012		
Y07900US00	US	2/6/2012	OTH	Reading Comprehensibility for Content Selection	13/367,323	UTL	ABANDONED	2/6/2012		
Y07879US00	US	12/23/2011	OTH	Method or system to indentify social influence	13/335,835	UTL	ABANDONED	12/23/2011		
Y07870US00	US	2/1/2012	OTH	Game advertisements	13/363,957	UTL	ABANDONED	2/1/2012		
Y07841US00	US	2/15/2012	OTH	Measuring and Utilizing The Effect of Social Sharing In Online Advertising	13/397,417	UTL	ABANDONED	2/15/2012		
Y07830US00	US	5/21/2012	OTH	Creating Video Synopsis for Use in Playback	13/477,013	UTL	ISSUED	5/21/2012	7/22/2014	8,787,730
Y07827US00	US	12/21/2011	OTH	MISSED MEDIA SYSTEM AND METHOD	13/332,696	UTL	ISSUED	12/21/2011	11/7/2017	9,811,595
Y07821US00	US	1/24/2012	OTH	System and Method to Enable Private Conversations Around Content	13/357,598	UTL	ISSUED	1/24/2012	4/11/2017	9,621,503
Y07814US00	US	6/29/2012	OTH	System and Method to Enable Communication Group Identification	13/539,071	UTL	ISSUED	6/29/2012	8/30/2016	9,430,755
Y07803US00	US	12/8/2011	OTH	Persona Engine	13/315,028	UTL	ISSUED	12/8/2011	9/5/2017	9,754,268

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07802US00	US	1/20/2012	OTH	Location-Based Application Pop-Up	13/355,347	UTL	PUBLISHED	1/20/2012		
Y07799US00	US	12/16/2011	OTH	Group Personalization	13/329,011	UTL	ABANDONED	12/16/2011		
Y07793US01	US	3/7/2017	CON	Customizable Gestures For Mobile Devices	15/452,581	UTL	PENDING	2/27/2012		
Y07793US00	US	2/27/2012	OTH	Customizable Gestures For Mobile Devices	13/405,708	UTL	ISSUED	2/27/2012	3/21/2017	9,600,169
Y07785US00	US	10/4/2011	OTH	Facilitating deal comparison and advertising in association with emails	13/252,471	UTL	ABANDONED	10/4/2011		
Y07782US00	US	2/20/2012	OTH	METHOD AND SYSTEM FOR MANAGING SHARING OF CONTENT ON AN ONLINE SHARING PLATFORM	13/400,123	UTL	ABANDONED	2/20/2012		
Y07768US00D1	US	3/22/2012	OTH	Computer Display Screen With a Transitional Graphical User Interface	29/416,512	DES	ISSUED	3/22/2012	5/5/2015	D728,589
Y07730US00	US	3/23/2012	OTH	Designing operations interface to enhance situational awareness	13/429,043	UTL	ISSUED	3/23/2012	1/10/2017	9,542,292

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07712US00	US	11/19/2011	OTH	METHOD AND SYSTEM FOR ENHANCING USER EXPERIENCE ON A WEB CONTENT PAGE BY CATEGORIZING CONTACTS AND RELEVANT POSTS	13/300,552	UTL	PUBLISHED	11/19/2011		
Y07703US00	US	3/6/2014	DCA	Search engine and method for performing a search for objects that correspond to a search request	14/238,487	UTL	PUBLISHED	8/12/2011		
Y07700US00	US	12/21/2011	OTH	System and method for creating a delivery allocation plan in a network-based environment	13/333,241	UTL	ABANDONED	12/21/2011		
Y07699US00	US	10/31/2011	OTH	Methods And Systems For Providing Social Consumer Driven Geo Incentives	13/285,053	UTL	ABANDONED	10/31/2011		
Y07681US00	US	11/20/2011	OTH	Providing Seamless Online Video Advertisements	13/300,583	UTL	PUBLISHED	11/20/2011		
Y07660US00	US	9/26/2011	OTH	METHOD AND SYSTEM FOR DYNAMICALLY PROVIDING CONTEXTUALLY RELEVANT NEWS ON AN ARTICLE	13/245,808	UTL	PUBLISHED	9/26/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07659US00	US	9/15/2011	OTH	METHOD AND SYSTEM FOR DYNAMICALLY PROVIDING CONTEXTUALLY RELEVANT POSTS ON AN ARTICLE	13/233,450	UTL	PUBLISHED	9/15/2011		
Y07650US00	US	8/12/2012	OTH	Dynamic player cards	13/572,681	UTL	ABANDONED	8/12/2012		
Y07638US00	US	11/22/2011	OTH	METHOD AND SYSTEM FOR CATEGORIZING WEB-SEARCH QUERIES IN SEMANTICALLY COHERENT TOPICS	13/301,786	UTL	ABANDONED	11/22/2011		
Y07637US01	US	4/9/2014	CON	Personalization of News Articles Based on News Sources	14/249,055	UTL	PUBLISHED	3/13/2012		
Y07637US00	US	3/13/2012	OTH	Personalization Of News Articles Based On News Sources	13/419,091	UTL	ISSUED	3/13/2012	6/3/2014	8,745,081
Y07603US00	US	5/21/2012	OTH	Providing Focus To A Search Module Presented On A Dynamic Web Page	13/476,442	UTL	ABANDONED	5/21/2012		
Y07592US00	US	7/19/2011	OTH	ADLITE RICH MEDIA SOLUTIONS WITHOUT PRESENTATION REQUIRING USE OF A VIDEO PLAYER	13/186,347	UTL	ISSUED	7/19/2011	5/26/2015	9,043,830
Y07591US00	US	2/2/2012	OTH	Personalized Recommendation of User Comments	13/364,369	UTL	PUBLISHED	2/2/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07589US00	US	7/19/2011	OTH	Lower Bandwidth Solutions Using Adlite Rich Media	13/186,330	UTL	ISSUED	7/19/2011	7/7/2015	9,078,026
Y07578US01	US	6/30/2009	FCA	Systems And Methods For Advertising	12/494,420	UTL	PUBLISHED	6/30/2008		
Y07578US00	US	6/30/2008	OTH	System, a method and a computer program product for generating advertisements	61/076,699	PRV	CONV PRV	6/30/2008		
Y07576US00	US	10/9/2007	FCA	DEVICE, METHOD AND COMPUTER PROGRAM PRODUCT FOR UPDATING WEB FEEDS	11/868,987	UTL	ABANDONED	2/14/2001		
Y07572US02	US	10/23/2017	CON	Media Enrichment System and Method	15/791,049	UTL	PENDING	10/17/2011		
Y07572US01	US	5/20/2016	CON	Media Enrichment System and Method	15/160,290	UTL	ISSUED	10/17/2011	10/14/2017	9,799,056
Y07572US00	US	10/17/2011	OTH	MEDIA ENRICHMENT SYSTEM AND METHOD	13/274,812	UTL	ISSUED	10/17/2011	5/24/2016	9,349,129
Y07562US00	US	9/15/2011	OTH	Method and system for providing recommended content for user generated content on an article	13/233,380	UTL	ABANDONED	9/15/2011		
Y07556US00	US	7/29/2011	OTH	Method and system for personalizing web page layout	13/193,889	UTL	PUBLISHED	7/29/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07555US01	US	2/11/2016	CON	Ad Hoc Collaboration Network For Capturing Audio/Video Data	15/042,146	UTL	ISSUED	11/16/2012	3/21/2017	9,602,856
Y07555US00	US	11/16/2012	OTH	Ad Hoc Collaboration Network For Capturing Audio/Video Data	13/680,009	UTL	ISSUED	11/16/2012	3/22/2016	9,294,787
Y07554US00	US	3/14/2012	OTH	Two-Dimension Indexed Carousels For In Situ Media Browsing On Mobile Devices	13/420,437	UTL	PUBLISHED	3/14/2012		
Y07553US00	US	5/26/2011	OTH	METHODS AND SYSTEMS FOR SECURELY TARGETING ADVERTISEMENTS ON LOGIN PAGES	13/116,598	UTL	ABANDONED	5/26/2011		
Y07548US00	US	12/19/2011	OTH	System and method for efficient ranking in online advertising by shaping relevance scores	13/329,456	UTL	ABANDONED	12/19/2011		
Y07521US00	US	8/29/2012	OTH	METHOD AND SYSTEM FOR PROVIDING ONLINE ADVERTISEMENTS BASED ON USER DRIVEN DEVICE MOTION INPUTS	13/597,272	UTL	ABANDONED	8/29/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07518US00	US	9/10/2012	OTH	Deriving a user profile from questions	13/608,149	UTL	ISSUED	9/10/2012	3/29/2016	9,299,081
Y07494US00	US	12/13/2011	OTH	Email Sharing	13/324,531	UTL	ISSUED	12/13/2011	3/28/2017	9,607,291
Y07464US00	US	10/7/2011	OTH	METHODS AND SYSTEMS FOR VIRTUAL VENDOR HAWKING USING DIRECTIONAL ADVERTISING	13/269,383	UTL	ABANDONED	10/7/2011		
Y07461US00	US	8/31/2011	OTH	Net offer values in coupon basket applications and usage	13/223,112	UTL	ABANDONED	8/31/2011		
Y07448US00	US	12/30/2015	OTH	Search engine content switch	14/984,787	UTL	PUBLISHED	12/30/2015		
Y07444US00	US	8/23/2012	OTH	Targeted Search Suggestions	13/592,402	UTL	ABANDONED	8/23/2012		
Y07441US00	US	7/19/2011	OTH	Using Companion Ads In Adlite Rich Media	13/186,300	UTL	ISSUED	7/29/2011	7/7/2015	9,078,025
Y07436US00	US	8/11/2011	OTH	Method and System For Group Communication Across Electronic Mail Users and Feature Phone Users	13/207,423	UTL	PUBLISHED	8/11/2011		
Y07430US00	US	10/4/2011	OTH	Content-Contingent Targeting In Online Advertising	13/252,382	UTL	ABANDONED	10/4/2011		
Y07429US01	US	4/6/2012	FCA	System and Method for Mobile Application Search	13/441,119	UTL	PUBLISHED	4/6/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07429US00	US	4/6/2011	OTH	System and Method for Mobile Application Search	61/472,510	PRV	CONV PRV	4/6/2011		
Y07416US00	US	10/6/2011	OTH	METHODS AND SYSTEMS FOR MEASURING ADVERTISEMENT EFFECTIVENESS	13/267,518	UTL	ABANDONED	10/6/2011		
Y07413US00	US	7/28/2011	OTH	RESERVE PRICE RANDOMNESS IN ONLINE ADVERTISING	13/193,216	UTL	ABANDONED	7/28/2011		
Y07412US00	US	4/15/2011	OTH	MOBILE COUPON BASKET	13/088,257	UTL	ABANDONED	4/15/2011		
Y07410US00	US	7/18/2011	OTH	Analyzing Content Demand Using Social Signals	13/185,496	UTL	ISSUED	7/18/2011	6/17/2014	8,756,279
Y07399US00	US	4/9/2012	OTH	Ranking and Ordering of User Generated Content	13/442,036	UTL	PUBLISHED	4/9/2012		
Y07393US00	US	7/5/2011	OTH	METHOD AND SYSTEM FOR IDENTIFYING A PRINCIPAL INFLUENCER IN A SOCIAL NETWORK BY IMPROVING RANKING OF TARGETS	13/175,955	UTL	ABANDONED	7/5/2011		
Y07374US00	US	5/26/2011	OTH	System For Incrementally Clustering News Stories	13/117,022	UTL	ISSUED	5/26/2011	9/9/2014	8,832,105
Y07366US00	US	10/26/2011	OTH	Online Active Learning in User-Generated Content Streams	13/282,285	UTL	PUBLISHED	10/26/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07342US00	US	12/20/2011	OTH	Audio Fingerprint For Content Identification	13/332,331	UTL	ISSUED	12/20/2011	2/3/2015	8,949,872
Y07337US00	US	11/9/2011	OTH	Context Sensitive Transient Connections	13/293,111	UTL	ABANDONED	11/9/2011		
Y07315US00	US	4/12/2012	OTH	ASSOCIATING USERS VIA A SEARCH	13/445,817	UTL	ABANDONED	4/12/2012		
Y07312US01	US	5/17/2013	CON	System and Method for Targeting Advertising to a Device Based on Installed Applications	13/896,698	UTL	PUBLISHED	5/31/2011		
Y07312US00	US	5/31/2011	OTH	System and Method for Targeting Advertising to a Device Based on Installed Applications	13/118,983	UTL	ISSUED	5/31/2011	5/21/2013	8,447,652
Y07297US01	US	7/6/2011	FCA	Methods And Systems For Sharing Photos In An Online Photosession	13/177,510	UTL	ISSUED	6/2/2011	7/22/2014	8,788,584
Y07297US00	US	6/2/2011	OTH	Online Photosession	61/492,778	PRV	CONV PRV	6/2/2011		
Y07287US00	US	11/15/2011	OTH	Publish-Subscribe Based Methods and Apparatuses for Associating Data Files	13/297,131	UTL	ISSUED	11/15/2011	8/2/2016	9,405,846
Y07282US00	US	1/18/2006	OTH	CONTENT PROVIDER YIELD MANAGEMENT	11/306,988	UTL	ABANDONED	1/18/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07279US00	US	1/11/2012	OTH	Method or System for Content Recommendations	13/348,573	UTL	PUBLISHED	1/11/2012		
Y07266US00	US	5/20/2011	OTH	UNIFIED METRIC IN ADVERTISING CAMPAIGN PERFORMANCE EVALUATION	13/112,301	UTL	ABANDONED	5/20/2011		
Y07210US00	US	11/23/2011	OTH	Mobile Social Groups	13/303,639	UTL	ABANDONED	11/23/2011		
Y07204US00	US	5/19/2011	OTH	METHODS AND SYSTEMS FOR GAMIFYING COUPON OFFERINGS	13/111,763	UTL	ABANDONED	5/19/2011		
Y07197US00	US	4/15/2011	OTH	Ad Basket	13/087,904	UTL	ABANDONED	4/15/2011		
Y07189US01	US	1/16/2015	CON	Image Cropping Using Supervised Learning	14/599,454	UTL	ISSUED	12/8/2011	11/3/2015	9,177,207
Y07189US00	US	12/8/2011	OTH	Image Cropping Using Supervised Learning	13/315,066	UTL	ISSUED	12/8/2011	1/20/2015	8,938,116
Y07187US00	US	10/17/2011	OTH	SYSTEMS AND METHODS FOR AUTOMATED LABELING OF SOCIAL CONNECTIONS	13/274,954	UTL	ISSUED	10/17/2011	2/17/2015	8,959,148
Y07186US00	US	5/26/2011	OTH	User Trustworthiness	13/117,037	UTL	ISSUED	5/26/2011	12/13/2016	9,519,682
Y07183US01	US	9/12/2016	CON	Anti-spam Transient Entity Classification	15/263,238	UTL	PUBLISHED	8/31/2011		
Y07183US00	US	8/31/2011	OTH	Anti-spam Transient Entity Classification	13/222,720	UTL	ISSUED	8/31/2011	9/13/2016	9,442,881

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07180US00	US	5/26/2011	OTH	Realtime Price System	13/116,444	UTL	ABANDONED	5/26/2011		
Y07171US00	US	12/22/2011	OTH	Valuation Estimation	13/335,653	UTL	ABANDONED	12/22/2011		
Y07161US00	US	4/22/2011	OTH	METHOD OF USING GPS AND/OR VEHICLE SENSOR DATA FOR DETECTING USER INTERESTS AND BENEFITS, AND FOR ADVERTISEMENT TARGETING	13/092,763	UTL	ABANDONED	4/22/2011		
Y07154US00	US	7/20/2011	OTH	METHOD AND SYSTEM FOR SELECTING WEB ADVERTISEMENTS TO OPTIMIZE REVENUE	13/186,492	UTL	ABANDONED	7/20/2011		
Y07151US00	US	5/12/2011	OTH	Fantasy Sports Roster Management System and Method	13/106,081	UTL	ISSUED	5/10/2011	10/7/2014	8,851,998
Y07148US01	US	1/17/2014	CON	Logo or Image Recognition	14/158,598	UTL	ISSUED	4/15/2011	11/29/2016	9,508,021
Y07148US00	US	4/15/2011	OTH	Logo or Image Recognition	13/088,305	UTL	ISSUED	4/15/2011	1/21/2014	8,634,654
Y07127US00	US	10/26/2011	OTH	System And Method For Recommending Content Based On Search History And Trending Topics	13/282,017	UTL	PUBLISHED	10/26/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07104US00	US	5/3/2012	OTH	Mobile-Based Real time Location-Sensitive Social Event Engine	13/463,109	UTL	ISSUED	5/3/2012	3/3/2015	8,972,498
Y07083US00	US	4/6/2011	OTH	Method and System for Maximizing Content Spread in Social Network	13/080,661	UTL	ISSUED	4/6/2011	6/10/2014	8,751,618
Y07067US00	US	8/29/2011	OTH	Integrated And Comprehensive Advertising Campaign Remap	13/220,474	UTL	ABANDONED	8/29/2011		
Y07066US00	US	12/20/2011	OTH	Protecting End Users From Malware Using Advertising Virtual Machine	13/331,523	UTL	ABANDONED	12/20/2011		
Y07061US00	US	12/20/2010	OTH	MOBILE ADVERTISING INCLUDING LOCALIZED ADVERTISER BIDDING	12/973,537	UTL	ABANDONED	12/20/2010		
Y07060US00	US	4/26/2011	OTH	ONLINE SOCIAL BRAND AMBASSADORS	13/094,640	UTL	ABANDONED	4/26/2011		
Y07056US00	US	10/26/2011	OTH	CONTEXTUAL SEARCH ON DIGITAL IMAGES	13/281,440	UTL	PUBLISHED	10/26/2011		
Y07055US01	US	12/21/2012	CON	METHOD OR SYSTEM FOR SPILLING IN QUERY ENVIRONMENTS	13/725,451	UTL	ABANDONED	11/21/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07050US01	US	9/26/2012	CON	Method and Apparatus of Analyzing Social Network Data to Identify a Financial Market Trend	13/627,603	UTL	PUBLISHED	5/10/2011		
Y07050US00	US	5/10/2011	OTH	Method and Apparatus of Analyzing Social Network Data to Identify a Financial Market Trend	13/104,769	UTL	ISSUED	5/10/2011	10/30/2012	8,301,545
Y07035US00	US	12/16/2010	OTH	Profiles, Templates And Matching In Integrated And Comprehensive Advertising Campaign Management And Optimization	12/970,446	UTL	ABANDONED	12/16/2010		
Y07018US01	US	10/7/2016	CON	Social Media User Recommendation System and Method	15/288,567	UTL	PUBLISHED	11/16/2011		
Y07018US00	US	11/16/2011	OTH	Social Media User Recommendation System and Method	13/297,988	UTL	ISSUED	11/16/2011	10/11/2016	9,466,071
Y07010US00	US	1/26/2011	OTH	PRICING AND PAYMENT ALLOCATION AMONG ONLINE ADVERTISING PARTIES	13/014,386	UTL	ABANDONED	1/26/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y07006US00	US	2/11/2011	OTH	HYBRID SEARCH RESULTS LISTINGS	13/026,083	UTL	ABANDONED	2/11/2011		
Y06990US01	US	8/29/2011	OTH	Entertainment Content Rendering Application	13/220,654	UTL	ISSUED	12/30/2010	10/10/2017	9,788,041
Y06990US00	US	12/30/2010	OTH	Entertainment Companion Content Application For Interacting With Television Content	12/982,811	UTL	ISSUED	12/30/2010	7/29/2014	8,793,730
Y06974US00	US	2/24/2011	OTH	System for Providing Incentives for Referring Advertisements and Deals	13/034,342	UTL	ABANDONED	2/24/2011		
Y06964US00	US	3/8/2011	OTH	Efficient Processing of Bulk Queries to Determine The Availability of Resources	13/043,020	UTL	ABANDONED	3/8/2011		
Y06955US00	US	12/13/2010	OTH	Ebook social integration techniques	12/966,158	UTL	ABANDONED	12/13/2010		
Y06954US00	US	1/28/2011	OTH	USER-CUSTOMIZABLE SOCIAL GROUPING TECHNIQUES	13/016,609	UTL	ABANDONED	1/28/2011		
Y06948US00	US	1/31/2011	OTH	Ranking Vendors by Combining Quantitative and Qualitative Characteristics of Third-Party Advertising	13/017,776	UTL	ABANDONED	1/31/2011		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06938US01	US	2/14/2013	CON	Clustering Cookies for Identifying Unique Mobile Devices	13/767,695	UTL	ISSUED	12/22/2010	1/13/2015	8,935,194
Y06938US00	US	12/23/2010	OTH	CLUSTERING COOKIES FOR IDENTIFYING UNIQUE MOBILE DEVICES	12/978,186	UTL	ISSUED	12/22/2010	3/12/2013	8,396,822
Y06937US00	US	11/8/2010	OTH	ONLINE ADVERTISING TECHNIQUES UTILIZING TAXONOMICAL MAPPING	12/941,910	UTL	ABANDONED	11/8/2010		
Y06932US00	US	12/28/2010	OTH	Method And System For Classifying Web Sites Using Query-Based Web Site Models	12/979,792	UTL	ABANDONED	12/28/2010		
Y06921US00	US	5/11/2011	OTH	Mining email inboxes for suggesting actions	13/105,819	UTL	PUBLISHED	5/11/2011		
Y06913US01	US	9/14/2012	CON	Fantasy Sports Trade Evaluator System and Method	13/618,960	UTL	ISSUED	7/12/2011	12/10/2013	8,606,380
Y06913US00	US	7/12/2011	OTH	Fantasy Sports Trade Evaluator System and Method	13/180,664	UTL	ISSUED	7/12/2011	12/25/2012	8,340,794
Y06901US00	US	12/20/2010	OTH	Forecasting Ad Traffic Based on Business Metrics in Performance-Based Display Advertising	12/973,637	UTL	ABANDONED	12/20/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06900US00	US	12/27/2010	OTH	Automatically Compressing E-mail Forwarded To A User Telephone	12/978,652	UTL	PUBLISHED	12/27/2010		
Y06896US00	US	11/12/2010	OTH	CLICK EQUIVALENT REPORTING AND RELATED TECHNIQUES	12/945,620	UTL	ABANDONED	11/12/2010		
Y06883US00	US	12/22/2010	OTH	System and Method for Social Filtering of Comments	12/976,628	UTL	PUBLISHED	12/20/2010		
Y06871US00	US	12/10/2010	OTH	System for Ranking Memes	12/965,369	UTL	ISSUED	12/10/2010	10/3/2017	9,779,169
Y06850US00	US	11/11/2010	OTH	Bidding Model for Sponsored Search Advertising Based on User Query Intent	12/944,424	UTL	ABANDONED	11/11/2010		
Y06845US00	US	12/22/2010	OTH	Method and system for improving quality of web content	12/975,389	UTL	ABANDONED	12/22/2010		
Y06838US00	US	8/30/2011	OTH	Systems and methods for suggesting a topic in an online group	13/221,473	UTL	PUBLISHED	8/30/2011		
Y06804US00	US	11/4/2010	OTH	SOCIAL NETWORK BASED ONLINE ADVERTISING AND ADVERTISEMENT BRANDING	12/939,932	UTL	ABANDONED	11/4/2010		
Y06801US00	US	10/29/2010	OTH	ARTICLE AND ADVERTISEMENT CORRELATION IN ONLINE ADVERTISING	12/916,430	UTL	ABANDONED	10/29/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06785US00	US	9/8/2010	OTH	SOCIAL AGGREGATION AND SUBSTRUCTURES TARGETING AND COMMUNICATIONS	12/877,844	UTL	ABANDONED	9/8/2010		
Y06778US00	US	7/21/2005	OTH	Real-Time Play Valuation	11/186,502	UTL	ISSUED	7/21/2005	7/3/2012	8,210,916
Y06777US00	US	12/22/2010	OTH	ISOLATION TOOL FOR USER ASSISTANCE IN SOLVING A CAPTCHA TEST	12/975,390	UTL	ISSUED	12/22/2010	5/5/2015	9,027,122
Y06776US00	US	1/29/2011	OTH	System and Method for Distorting a Clockface for Captcha Validation	13/016,971	UTL	ABANDONED	1/29/2011		
Y06767US00	US	12/29/2010	OTH	FINANCIAL PORTFOLIO BOOST EVALUATION	12/980,362	UTL	PUBLISHED	12/29/2010		
Y06753US00	US	12/20/2010	OTH	Dynamic Online Communities	12/973,813	UTL	ISSUED	12/20/2010	7/8/2014	8,775,355
Y06734US00	US	10/6/2010	OTH	System for Search Bid Term Selection	12/899,252	UTL	ABANDONED	10/6/2010		
Y06723US00	US	4/11/2011	OTH	Real Time Association of Related Breaking News Stories Across Different Content Providers	13/084,352	UTL	ISSUED	4/11/2011	12/24/2013	8,615,518
Y06704US00	US	7/22/2010	OTH	Presentation of Advertisements Based on User Interactivity with a Web Page	12/841,985	UTL	ISSUED	7/22/2010	1/14/2014	8,631,356

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06702US00	US	4/1/2011	OTH	Adding Privacy Protection to Photo Uploading/Tagging in Social Networks	13/077,998	UTL	ISSUED	4/1/2011	6/3/2014	8,744,143
Y06695US00	US	9/30/2010	OTH	EBOOK ADVERTISING, INCLUDING COST-SHARING TECHNIQUES	12/895,752	UTL	ABANDONED	9/30/2010		
Y06681US01	US	9/30/2016	CON	Social Aggregation Communications	15/283,244	UTL	PUBLISHED	8/27/2010		
Y06681US00	US	8/27/2010	OTH	Social Aggregation Communications	12/870,690	UTL	ISSUED	8/27/2010	11/1/2016	9,483,770
Y06677US00	US	11/9/2010	OTH	Systems and Methods for Matching Complementary Risk Profiles to Enhance Digital Ad Delivery	12/942,230	UTL	ABANDONED	11/9/2010		
Y06672US01	US	11/18/2013	CON	Infinite Browse	14/083,320	UTL	ISSUED	6/28/2010	5/31/2016	9,355,185
Y06672US00	US	6/28/2010	OTH	Infinite Browse	12/825,304	UTL	ISSUED	6/28/2010	12/3/2013	8,600,979
Y06654US00	US	12/2/2010	OTH	System and Method for Counting Network Users	12/959,069	UTL	ISSUED	12/2/2010	7/8/2014	8,775,606
Y06628US00	US	10/18/2010	OTH	LIFE-VERTISEMENTS	12/906,795	UTL	ABANDONED	10/18/2010		
Y06625US01	US	11/30/2016	CON	Measuring Inline Ad Performance for Third-Party Ad Serving	15/365,232	UTL	PENDING	9/29/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06624US00	US	8/11/2011	OTH	Method and system for providing map interactivity for a visually-impaired user	13/207,417	UTL	ISSUED	8/11/2011	7/21/2015	9,087,455
Y06617US00	US	9/21/2010	OTH	Method And System To Monetize Domain Queries In Sponsored Search	12/886,953	UTL	ABANDONED	9/21/2010		
Y06613US00	US	7/28/2010	OTH	SOCIAL IMPACT ON ADVERTISING	12/845,663	UTL	ABANDONED	7/28/2010		
Y06611US00	US	11/30/2010	OTH	Identifying Reliable and Authoritative Sources of Multimedia Content	12/957,335	UTL	ISSUED	11/30/2010	3/12/2013	8,396,876
Y06606US00	US	9/29/2010	OTH	Automatic Internet Search Advertising Campaign Variable Optimization for Aiding Advertising Agency Efficiencies	12/893,465	UTL	ABANDONED	9/29/2010		
Y06594US00	US	8/2/2010	OTH	Selecting Advertisements Using Same Session Queries	12/848,822	UTL	ABANDONED	8/2/2010		
Y06576US00	US	3/30/2012	DCA	System And Method For Selecting Web Pages On Which To Place Display Advertisements	13/499,531	UTL	ABANDONED	12/23/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06572US00	US	12/6/2010	OTH	Fast Title/Summary Extraction From Long Descriptions	12/960,828	UTL	ISSUED	12/6/2010	4/19/2016	9,317,595
Y06571US00	US	7/9/2010	OTH	Social aggregation targeting and communications	12/833,550	UTL	ABANDONED	7/9/2010		
Y06565US00D1	US	12/2/2010	OTH	Display Screen with a Graphical User Interface	29/380,267	DES	ISSUED	12/2/2010	2/24/2015	D723,047
Y06528US00	US	7/28/2010	OTH	METHOD AND SYSTEM FOR PROVIDING ADVERTISEMENTS	12/844,847	UTL	ABANDONED	7/28/2010		
Y06514US00	US	7/27/2010	OTH	Providing Social Likeness Within A Messaging Context	12/844,697	UTL	ISSUED	7/27/2010	12/3/2013	8,600,901
Y06507US01	US	12/30/2015	CON	Method Of Recommending Content Via Social Signals	14/985,171	UTL	PEND ABAND	8/24/2010		
Y06507US00	US	8/24/2010	OTH	Method Of Recommending Content Via Social Signals	12/861,936	UTL	PUBLISHED	8/24/2010		
Y06494US03	US	10/17/2016	CON	Methods and Systems for Application Rendering and Management on Internet Television Enabled Displays	15/295,857	UTL	PENDING	4/2/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06494US02	US	3/26/2014	CON	Methods and Systems for Application Rendering and Management on Internet Television Enabled Displays	14/226,744	UTL	ISSUED	4/2/2010	11/8/2016	9,491,502
Y06494US01	US	3/29/2011	FCA	Methods and Systems for Application Rendering and Management on Internet Television Enabled Displays	13/075,149	UTL	ISSUED	4/2/2010	5/13/2014	8,726,305
Y06494US00	US	4/2/2010	OTH	Methods and Systems for Display Device Widget Access and Management	61/320,685	PRV	CONV PRV	4/2/2010		
Y06461US00	US	8/23/2010	OTH	METHOD AND SYSTEM FOR USING EMAIL RECEIPTS FOR TARGETED ADVERTISING	12/861,241	UTL	PUBLISHED	8/23/2010		
Y06460US00	US	7/7/2010	OTH	ONLINE ADVERTISING MARKETPLACE DATA PROVIDER ASSESSMENT AND RECOMMENDATION	12/831,897	UTL	ABANDONED	7/7/2010		
Y06459US00	US	10/5/2010	OTH	Presenting Modules in a Browser	12/898,655	UTL	ISSUED	10/5/2010	9/29/2015	9,148,466
Y06445US00	US	7/7/2010	OTH	Email based Social Advertisements	12/831,692	UTL	ABANDONED	7/7/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06443US00	US	9/20/2010	OTH	Real-Time Animations Of Emoticons Using Facial Recognition During A Video Chat	12/886,482	UTL	ABANDONED	9/20/2010		
Y06420US00	US	5/5/2010	OTH	Selecting Content Based On Interest Tags That Are Included In An Interest Cloud	12/774,548	UTL	ABANDONED	5/5/2010		
Y06417US00	US	12/21/2010	OTH	PROTECTING PRIVACY IN GROUPS E-MAIL MESSAGES	12/973,952	UTL	ABANDONED	12/21/2010		
Y06400US00	US	6/11/2012	OTH	Methods and systems for detecting and extracting product reviews	13/493,481	UTL	ABANDONED	6/11/2012		
Y06389US00	US	7/22/2010	OTH	ADVERTISEMENT BRAND ENGAGEMENT VALUE	12/841,900	UTL	ABANDONED	7/22/2010		
Y06381US00	US	5/5/2010	OTH	EXPANSION OF TERM SETS FOR USE IN ADVERTISEMENT SELECTION	12/774,471	UTL	ABANDONED	5/5/2010		
Y06369US00	US	8/16/2010	OTH	Micro-Blog Message Filtering	12/857,000	UTL	ABANDONED	8/16/2010		
Y06368US00	US	7/2/2010	OTH	Advertisement And Campaign Evaluation With Bucket Testing In Guaranteed Delivery Of Online Advertising	12/830,137	UTL	ABANDONED	7/2/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06367US00	US	7/2/2010	OTH	INVENTORY MANAGEMENT AND SERVING WITH BUCKET TESTING IN GUARANTEED DELIVERY OF ONLINE ADVERTISING	12/829,915	UTL	ABANDONED	7/2/2010		
Y06366US00	US	7/2/2010	OTH	INFRASTRUCTURE FOR BUCKET TESTING IN GUARANTEED DELIVERY OF ONLINE ADVERTISING	12/829,775	UTL	ABANDONED	7/2/2010		
Y06365US01	US	8/24/2010	FCA	Haptic Search Feature for Touch Screens	12/862,324	UTL	ABANDONED	2/9/2010		
Y06365US00	US	2/9/2010	OTH	Sketch-a-Search	61/302,953	PRV	CONV PRV	2/9/2010		
Y06361US00	US	12/1/2010	OTH	Method and System For Discovering Dynamic Relations Among Entities	12/958,151	UTL	ABANDONED	12/1/2010		
Y06318US02	US	8/10/2016	CON	System and Methods for Enabling Arbitrary Developer Code Consumption of Web- Based Data	15/233,854	UTL	PENDING	4/29/2010		
Y06315US01	US	1/31/2017	CON	Third Party Program Integrity And Integration Control In Web-Based Applications	15/420,727	UTL	PUBLISHED	4/13/2012		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06315US00	US	4/13/2012	OTH	Third Party Program Integrity And Integration Control In Web-Based Applications	13/446,381	UTL	ISSUED	4/13/2012	2/21/2017	9,576,064
Y06312US01	US	5/20/2013	CON	Fantasy Sport Auction Draft Application	13/898,408	UTL	ISSUED	9/22/2010	9/2/2014	8,821,231
Y06312US00	US	9/22/2010	OTH	Fantasy Sport Auction Draft Application Roster Preview Grid	12/888,390	UTL	ISSUED	9/22/2010	7/2/2013	8,475,249
Y06299US00	US	7/2/2010	OTH	Selecting Advertisements Using User Search History Segmentation	12/829,954	UTL	ABANDONED	7/2/2010		
Y06291US00	US	10/25/2010	OTH	System and method for providing topic cluster based updates	12/910,911	UTL	ABANDONED	10/25/2010		
Y06290US00	US	5/13/2010	OTH	Methods And Apparatuses For Providing A Search Crowd Capability	12/779,718	UTL	ABANDONED	5/13/2010		
Y06284US00	US	9/30/2010	OTH	Content Quality Filtering Without Use of Content	12/895,777	UTL	ISSUED	9/30/2010	12/5/2017	9,836,539
Y06282US00	US	12/22/2010	OTH	SUPER-CLUSTERING FOR EFFICIENT INFORMATION EXTRACTION	12/975,391	UTL	ABANDONED	12/22/2010		
Y06281US00	US	7/1/2010	OTH	System For Handling Multiple Priorities In Ad Exchange Auction	12/828,474	UTL	ABANDONED	7/1/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06256US00	US	5/28/2010	OTH	Automated Message Attachment Labeling Using Feature Selection In Message Content	12/790,536	UTL	ISSUED	5/28/2010	9/2/2014	8,825,472
Y06240US00	US	7/1/2010	OTH	Method and System for Providing Advertisements	12/828,307	UTL	ABANDONED	7/1/2010		
Y06218US00	US	7/9/2011	OTH	Media Recommendations for a Social-Software Website	13/179,522	UTL	ISSUED	7/9/2011	7/9/2013	8,484,226
Y06214US00	US	7/1/2010	OTH	Method and system for web extraction	12/828,305	UTL	ABANDONED	7/1/2010		
Y06208US00	US	3/11/2010	OTH	Lease-based Record-level Selective Replication in a Geographically Distributed DB	12/722,093	UTL	ABANDONED	3/11/2010		
Y06196US00	US	3/11/2010	OTH	System for Maintaining a Distributed Database Using Constraints	12/722,038	UTL	ABANDONED	3/11/2010		
Y06186US01	US	7/1/2010	FCA	Mechanism for Adding Content from a Search to a Document or Message	12/829,159	UTL	ABANDONED	10/28/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06186US00	US	10/28/2009	OTH	Mechanism for Adding Content from a Search to a Document or Message	61/255,807	PRV	CONV PRV	10/28/2009		
Y06183US00	US	3/25/2010	OTH	Encoding and Accessing Position Data	12/731,458	UTL	ABANDONED	3/25/2010		
Y06163US01	US	8/25/2014	DIV	Contextual-bandit approach to personalized news article recommendation	14/468,130	UTL	PUBLISHED	7/14/2010		
Y06163US00	US	7/14/2010	OTH	Contextual-Bandit Approach to Personalized News Article Recommendation	12/836,188	UTL	PUBLISHED	7/14/2010		
Y06156US00D1	US	8/23/2010	OTH	Graphical User Interface	29/368,372	DES	ABANDONED	8/23/2010		
Y06156US00	US	7/8/2010	OTH	Faceted Exploration of Media Collections	12/832,641	UTL	ABANDONED	7/8/2010		
Y06146US00	US	2/22/2010	OTH	System for Generating Advertisements	12/710,122	UTL	ABANDONED	2/22/2010		
Y06129US00	US	3/12/2010	OTH	Emotional Targeting	12/723,346	UTL	ABANDONED	3/12/2010		
Y06124US00	US	3/29/2010	OTH	Optimizing Sponsored Search Ad Placement for Online Advertising	12/749,372	UTL	ABANDONED	3/29/2010		
Y06121US00	US	3/12/2010	OTH	Emoticons	12/723,448	UTL	ABANDONED	3/12/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06113US00	US	7/2/2010	OTH	Forecasting Supply For Advertisements According To A Non-Parametric Supply Model	12/829,593	UTL	ABANDONED	7/2/2010		
Y06102US00	US	2/24/2010	OTH	Forecasting Online Advertising Inventory of Day Parting Queries	12/711,668	UTL	ABANDONED	2/24/2010		
Y06097US00	US	2/24/2010	OTH	Automatic Management of Networked Publisher-Subscriber Relationships	12/711,873	UTL	ABANDONED	2/24/2010		
Y06091US00	US	3/18/2010	OTH	Real-Time Personalization of Sponsored Search Results Based on Predicted Click Propensity	12/727,068	UTL	ABANDONED	3/18/2010		
Y06088US00	US	6/11/2010	OTH	Method and System for Drafting One or More Players in a Fantasy Sport	12/813,707	UTL	PUBLISHED	6/11/2010		
Y06077US00	US	12/6/2011	OTH	Ranking And Selecting Representative Video Images	13/312,558	UTL	ISSUED	12/6/2011	4/28/2015	9,020,244
Y06064US00	US	1/11/2010	OTH	ADVERTISER VALUE-BASED BID MANAGEMENT IN ONLINE ADVERTISING	12/685,329	UTL	ABANDONED	1/11/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y06043US00	US	1/26/2010	OTH	Embeddable Metadata in Electronic Mail Messages	12/694,173	UTL	ABANDONED	1/26/2010		
Y06034US00	US	3/14/2012	DCA	Method Or System For Recommending Personalized Content	13/496,163	UTL	ISSUED	11/1/2011	3/28/2017	9,607,077
Y06024US00	US	2/9/2010	OTH	ONLINE AND OFFLINE INTEGRATED PROFILE IN ADVERTISEMENT TARGETING	12/702,854	UTL	ABANDONED	2/9/2010		
Y06012US01	US	3/6/2012	CON	CREATING RICH EXPERIENCES IN MAIL THROUGH ATTACHMENTS	13/413,351	UTL	ISSUED	4/13/2010	12/25/2012	8,341,235
Y06012US00	US	4/13/2010	OTH	CREATING RICH EXPERIENCES IN MAIL THROUGH ATTACHMENTS	12/759,647	UTL	ISSUED	4/13/2010	4/10/2012	8,156,189
Y06010US00	US	11/30/2009	OTH	System and Method for Optimizing Selection of Online Advertisements	12/628,175	UTL	ABANDONED	11/30/2009		
Y05996US01	US	1/29/2016	CON	DYNAMICALLY DETERMINING THE RELATEDNESS OF WEB OBJECTS	15/010,225	UTL	PUBLISHED	5/4/2011		
Y05996US00	US	5/4/2011	OTH	DYNAMICALLY DETERMINING THE RELATEDNESS OF WEB OBJECTS	13/100,302	UTL	ISSUED	5/4/2011	2/16/2016	9,262,518

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05995US00	US	1/15/2010	OTH	System for Display Advertising Optimization with Uncertain Supply	12/688,541	UTL	ISSUED	9/30/2008	11/13/2012	8,311,886
Y05994US00	US	2/23/2010	OTH	Method and System for Adding Anchor Identifiers to Search Results	12/710,865	UTL	ABANDONED	2/23/2010		
Y05983US00	US	4/19/2010	OTH	Systems and methods for providing a microdocument framework for storage, retrieval, and aggregation	12/762,807	UTL	PUBLISHED	4/19/2010		
Y05980US00	US	2/2/2010	OTH	SIMILARITY FUNCTION IN ONLINE ADVERTISING BID OPTIMIZATION	12/698,463	UTL	ABANDONED	2/2/2010		
Y05979US00	US	2/2/2010	OTH	KALMAN FILTER MODELING IN ONLINE ADVERTISING BID OPTIMIZATION	12/698,337	UTL	ABANDONED	2/2/2010		
Y05976US00	US	1/26/2010	OTH	Targeted Content in Print Media	12/693,658	UTL	ABANDONED	1/26/2010		
Y05953US00	US	2/11/2010	OTH	Methods and Apparatuses for Identifying and Monitoring Information in Electronic Documents Over a Network	12/703,982	UTL	ABANDONED	2/11/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05946US00	US	10/9/2009	OTH	Improve Search Ranking for Time-Sensitive Queries by Feedback Control	12/576,534	UTL	ABANDONED	10/9/2009		
Y05943US00	US	2/23/2010	OTH	System and Method for Generating Interactive Advertisements	12/710,966	UTL	ABANDONED	2/23/2010		
Y05937US00	US	1/29/2010	OTH	Improving Ranking for Informational and Unpopular Search Queries by Cumulating Click Relevance	12/697,096	UTL	ABANDONED	1/29/2010		
Y05930US00	US	9/21/2009	OTH	Detect, Index, and Retrieve Term-Group Attributes for Network Search	12/563,347	UTL	ABANDONED	9/21/2009		
Y05921US00	US	12/30/2011	DCA	BEHAVIOR TARGETING SOCIAL RECOMMENDATIONS	13/381,863	UTL	ISSUED	12/31/2010	7/21/2015	9,087,106
Y05911US02	US	11/15/2013	CON	Constructing Travel Itineraries from Tagged Geo-temporal Photographs	14/082,063	UTL	ISSUED	2/18/2010	10/6/2015	9,151,618
Y05911US01	US	9/28/2012	CON	Constructing Travel Itineraries from Tagged Geo-temporal Photographs	13/630,680	UTL	ISSUED	2/18/2010	11/26/2013	8,594,925

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05911US00	US	2/18/2010	OTH	Constructing Travel Itineraries from Tagged Geo-temporal Photographs	12/708,321	UTL	ISSUED	2/18/2010	10/9/2012	8,285,483
Y05907US00	US	2/5/2010	OTH	Systems and methods for efficiently ranking advertisements based on relevancy and click feedback	12/701,237	UTL	ABANDONED	2/5/2010		
Y05906US00	US	2/3/2010	OTH	Security techniques for use in malicious advertisement management	12/699,402	UTL	ABANDONED	2/3/2010		
Y05901US01	US	11/18/2009	FCA	Automatic Comparative Analysis	12/621,439	UTL	ABANDONED	10/20/2009		
Y05901US00	US	10/20/2009	OTH	Automatic Comparative Analysis	61/253,467	PRV	CONV PRV	10/20/2009		
Y05899US00	US	2/22/2010	OTH	Identifying Top Content Contributors In Online Social Networks	12/710,119	UTL	ISSUED	2/22/2010	8/22/2012	8,266,154
Y05896US00	US	1/27/2010	OTH	Personalize Search Results For Search Queries With General Implicit Local Intent	12/694,515	UTL	ABANDONED	1/27/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05892US00	US	10/30/2009	CIP	System for Display Advertising Optimization Using Click or Conversion Performance	12/609,427	UTL	ISSUED	9/30/2008	11/13/2012	8,311,885
Y05886US00	US	2/26/2010	OTH	System and Method for Automatic Matching of Contracts in an Inverted Index to Impression Opportunities Using Complex Predicates with Multi-Valued Attributes	12/714,051	UTL	ABANDONED	2/26/2010		
Y05884US00	US	11/16/2009	OTH	Policy-driven schema and system for managing data system pipelines in multi-tenant model	12/618,984	UTL	ABANDONED	11/16/2009		
Y05882US01	US	3/12/2010	OTH	System and Method for Enhanced Find In-Page Functions in a Web Browser	12/723,093	UTL	ABANDONED	2/22/2010		
Y05878US00	US	1/12/2010	OTH	Recommendations based on relevant friend behaviors	12/686,112	UTL	ABANDONED	1/12/2010		
Y05875US00	US	9/23/2009	OTH	Expressive Bidding Online Advertising Auction Mechanisms	12/565,223	UTL	ABANDONED	9/23/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05869US00	US	3/15/2010	CIP	System for Providing Scalable In-Memory Caching For A Distributed Database	12/724,260	UTL	ABANDONED	11/30/2007		
Y05866US00	US	2/4/2010	OTH	Multiple Cascading Auctions in Search Advertising	12/700,538	UTL	ABANDONED	2/4/2010		
Y05865US00	US	2/4/2010	OTH	Method for Reducing North Ad Impact in Search Advertising	12/700,438	UTL	ABANDONED	2/4/2010		
Y05860US00	US	1/8/2010	OTH	System and Method for Displaying Status of Electronic Messages	12/684,276	UTL	ISSUED	1/8/2010	2/4/2014	8,645,814
Y05858US00	US	11/23/2009	OTH	METHOD AND SYSTEM FOR SPEED EFFICIENT AND RELEVANCY EFFICIENT ADVERTISING THROUGH A WEB ENABLED ELEMENT	12/623,457	UTL	ABANDONED	11/23/2009		
Y05845US00	US	4/30/2010	OTH	Notifications for Multiple Points of Presence	12/772,096	UTL	ABANDONED	4/30/2010		
Y05844US00	US	4/30/2010	OTH	State Transfer for Instant Messaging System with Multiple Points of Presence	12/772,087	UTL	ABANDONED	4/30/2010		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05836US01	US	4/25/2017	CON	Method And System For Synchronizing Software Module Hosts	15/496,167	UTL	PUBLISHED	9/21/2009		
Y05836US00D1	US	9/21/2009	OTH	User Interfaces	29/343,903	DES	ISSUED	9/21/2009	11/30/2010	D628,209
Y05836US00	US	9/21/2009	OTH	Method And System For Synchronizing Software Module Hosts	12/563,854	UTL	ISSUED	9/21/2009	6/6/2017	9,674,305
Y05835US00	US	1/11/2010	OTH	Sightful cache: Efficient invalidation for search engine caching	12/685,345	UTL	ABANDONED	1/11/2010		
Y05834US00	US	8/14/2009	OTH	Sponsored Search Bid Adjustment Based On Predicted Conversion Rates	12/541,453	UTL	ABANDONED	8/14/2009		
Y05832US00	US	2/5/2010	OTH	Marketplace For Captcha Developers	12/701,320	UTL	ABANDONED	2/5/2010		
Y05821US00	US	11/9/2009	OTH	Method And System For Brand Name Identification	12/615,243	UTL	ABANDONED	11/9/2009		
Y05815US00	US	11/25/2009	OTH	Optimization of Sponsored Search Systems with Real-Time User Feedback	12/626,462	UTL	ABANDONED	11/25/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05811US00	US	2/5/2010	OTH	Captchas That Include Overlapped Characters, Projections On Virtual 3d Surfaces, And/Or Virtual 3d Objects	12/701,347	UTL	ABANDONED	2/5/2010		
Y05806US00	US	9/1/2009	OTH	Enabling High Performance Ad Selection	12/552,252	UTL	ABANDONED	9/1/2009		
Y05799US00	US	9/23/2009	OTH	Creating Vertical Search Engines for Individual Search Queries	12/565,077	UTL	ABANDONED	9/23/2009		
Y05790US00	US	9/22/2009	OTH	Method and System for Managing Cookies in Web Communications	12/564,867	UTL	ISSUED	9/22/2009	2/19/2013	8,380,763
Y05788US03	US	10/31/2011	CON	Sequenced Video Overlay Advertisements, Including User-Interactive Puzzles	13/286,170	UTL	ABANDONED	11/3/2009		
Y05788US02	US	10/31/2011	CON	Sequenced Video Overlay Advertisements, Including Quiz Games	13/286,155	UTL	ABANDONED	11/3/2009		
Y05788US01	US	10/31/2011	CON	Sequenced Video Overlay Advertisements, Including Guidance Steps	13/286,146	UTL	ABANDONED	11/3/2009		
Y05788US00	US	11/3/2009	OTH	SEQUENCED VIDEO OVERLAY ADVERTISEMENTS	12/611,247	UTL	ABANDONED	11/3/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05787US00	US	10/6/2009	OTH	User-Initiated Buyer-Vendor Match Search	12/574,410	UTL	ABANDONED	10/6/2009		
Y05783US00	US	1/26/2010	OTH	System and Method for Detecting Changes in the Relevance of Past Search Results	12/693,987	UTL	ABANDONED	1/26/2010		
Y05782US00	US	11/28/2009	OTH	System and Method to Identify Context-Dependent Term Importance of Queries for Predicting Relevant Search Advertisements	12/626,894	UTL	ABANDONED	11/28/2009		
Y05780US00	US	11/28/2009	OTH	System and Method for Predicting Context-Dependent Term Importance of Search Queries	12/626,892	UTL	ABANDONED	11/28/2009		
Y05773US00	US	9/23/2009	OTH	Expressive Bidding In Online Advertising Auctions	12/565,148	UTL	ABANDONED	9/23/2009		
Y05772US00	US	8/13/2009	OTH	Query-URL N-gram Features in Web Ranking	12/541,063	UTL	ABANDONED	8/13/2009		
Y05765US00	US	8/28/2009	OTH	Methods and Systems for Generating Non-Overlapping Facets for a Query	12/550,126	UTL	ABANDONED	8/28/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05754US00	US	10/30/2009	CIP	System for Allocating Advertising Inventory in a Unified Marketplace	12/609,396	UTL	ISSUED	9/30/2008	11/13/2012	8,311,884
Y05753US00	US	9/18/2009	OTH	Ranking Entity Relations Using External Corpus	12/562,794	UTL	ABANDONED	9/18/2009		
Y05743US00	US	8/25/2009	OTH	Method for Distributed Direct Object Access Storage	12/547,413	UTL	ABANDONED	8/25/2009		
Y05731US00	US	9/11/2009	OTH	Combining Historical CTR and Bid Amount in Search Message Selection	12/558,175	UTL	ABANDONED	9/11/2009		
Y05729US00	US	9/14/2009	OTH	Query Term Relationship Characterization for Query Response Determination	12/558,924	UTL	ABANDONED	9/14/2009		
Y05722US00	US	8/21/2009	OTH	System and Method for Determining Whether an Ad is Ubiquitous	12/545,342	UTL	ABANDONED	8/21/2009		
Y05721US00	US	8/31/2009	OTH	Budget-Influenced Ranking and Pricing In Sponsored Search	12/550,904	UTL	ABANDONED	8/31/2009		
Y05718US00	US	7/24/2009	OTH	Mixing Knowledge Sources For Improved Entity Extraction	12/509,278	UTL	ABANDONED	7/24/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05716US00	US	8/13/2009	OTH	Robust XPathS for Web Information Extraction	12/540,384	UTL	ABANDONED	8/13/2009		
Y05710US00	US	1/8/2010	OTH	Using search keyword auto correlation to come up with a dynamic monetization scheme	12/684,831	UTL	ABANDONED	1/8/2010		
Y05707US00	US	8/24/2009	OTH	Immediacy Targeting In Online Advertising	12/546,194	UTL	ABANDONED	8/24/2009		
Y05704US00	US	7/31/2009	OTH	Global and Topical Ranking of Search Results Using User Clicks	12/533,564	UTL	ABANDONED	7/31/2009		
Y05698US00	US	1/8/2010	OTH	Methods, Systems And/Or Apparatuses For Identifying And/Or Ranking Graphical Images	12/684,678	UTL	ABANDONED	1/8/2010		
Y05688US01	US	9/1/2016	CON	Method and System for Causing A Browser to Preload Web Page Components	15/254,540	UTL	PUBLISHED	8/13/2009		
Y05688US00	US	8/13/2009	OTH	Method and System for Causing A Browser to Preload Web Page Components	12/540,502	UTL	ISSUED	8/13/2009	9/6/2016	9,436,777
Y05664US00	US	10/12/2009	OTH	Information Exchange System	12/577,555	UTL	ABANDONED	10/12/2009		
Y05653US00	US	6/8/2009	OTH	Predictive Person Name Variants For Web Search	12/480,628	UTL	ABANDONED	6/8/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05649US00	US	8/25/2009	OTH	Dynamic Web Page Creation	12/547,088	UTL	ABANDONED	8/25/2009		
Y05647US00	US	8/26/2009	OTH	Taking Action Upon Users In A Social Networking System With Respect To A Purpose Based On Compatibility Of The Users To The Purpose	12/548,140	UTL	ISSUED	8/26/2009	9/22/2015	9,141,271
Y05645US00	US	7/31/2009	OTH	Providing Link To Portion Of Media Object In Real Time In Social Networking Update	12/533,684	UTL	PUBLISHED	7/31/2009		
Y05637US00	US	7/1/2009	OTH	Method and System for Enabling A User to Vote on a Portion of an Image for Displaying the Image	12/496,315	UTL	ABANDONED	7/1/2009		
Y05636US00	US	8/7/2009	OTH	Methods and System for Efficient Crawling of Advertiser Landing Page URLs	12/538,070	UTL	ABANDONED	8/7/2009		
Y05630US00	US	7/22/2009	OTH	Explicit Online Advertising Exposure Terms	12/507,330	UTL	ABANDONED	7/22/2009		
Y05627US00	US	6/1/2009	OTH	Automatic Fact Validation	12/476,055	UTL	ABANDONED	6/1/2009		
Y05615US00	US	6/30/2009	OTH	Adaptive Resource Allocation for Parallel Execution of a Range Query	12/495,550	UTL	ABANDONED	6/30/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05599US00	US	11/25/2009	OTH	Algorithmically Choosing When To Use Branded Content Versus Aggregated Content	12/626,584	UTL	ISSUED	11/25/2009	11/11/2014	8,886,650
Y05597US00	US	8/7/2009	OTH	Cost and Participation Models for Exchange Third-Party Integration in Online Advertising	12/537,429	UTL	ABANDONED	8/7/2009		
Y05594US00	US	7/13/2009	OTH	Model-Based Advertisement Optimization	12/501,980	UTL	ABANDONED	7/13/2009		
Y05591US00	US	6/2/2009	OTH	Online Measurement of User Satisfaction Using Long Duration Clicks	12/476,554	UTL	ABANDONED	6/2/2009		
Y05590US01	US	8/5/2009	OTH	Profile Recommendations for Advertisement Campaign Performance Improvement	12/536,334	UTL	ABANDONED	8/5/2009		
Y05573US00	US	7/30/2009	OTH	System and Method for Dynamic Targeting Ads Based on Content-in-View	12/512,715	UTL	ABANDONED	7/30/2009		
Y05567US00	US	5/28/2009	OTH	Real-Time Detection of Emerging Web Search Queries	12/474,031	UTL	ABANDONED	5/28/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05557US00	US	1/13/2010	OTH	Method and Interface for Displaying Locations Associated with Annotations	12/686,677	UTL	ISSUED	1/13/2010	2/7/2017	9,563,850
Y05556US00	US	1/13/2010	OTH	Methods and System for Associating Locations with Annotations	12/686,883	UTL	PUBLISHED	1/13/2010		
Y05555US00	US	6/19/2009	OTH	Determining the Geographic Scope of Web Resources Using User Click Data	12/488,134	UTL	ABANDONED	6/19/2009		
Y05553US00	US	8/25/2009	OTH	System and Method for Predicting User Navigation within Sponsored Search Advertisements	12/547,473	UTL	ABANDONED	8/25/2009		
Y05550US00	US	5/26/2009	OTH	Clustering Identical or Disjoint Keyword Sets for Use With Auctions for Online Advertising	12/471,832	UTL	ABANDONED	5/26/2009		
Y05543US00	US	4/10/2009	OTH	Outbound Spam Detection and Prevention	12/422,101	UTL	ABANDONED	4/10/2009		
Y05539US00D1	US	7/7/2009	OTH	Video Search Graphical Interface	29/339,767	DES	ISSUED	7/7/2009	7/13/2010	D619612

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05535US00	US	7/6/2009	OTH	Techniques For Use In Sorting Partially Sorted Lists	12/498,249	UTL	ABANDONED	7/6/2009		
Y05534US00	US	7/14/2009	CIP	System and Method for Automatic Matching of Highest Scoring Contracts to Impression Opportunities Using Complex Predicates and an Inverted Index	12/502,742	UTL	ABANDONED	7/14/2009		
Y05533US00D1	US	4/2/2009	OTH	Computer User Interface	29/334,802	DES	ISSUED	4/2/2009	7/6/2010	D619141
Y05532US00D1	US	4/2/2009	OTH	Computer User Interface	29/334,801	DES	ABANDONED	4/2/2009		
Y05530US00	US	11/9/2009	OTH	Feature-Based Method and System for Cold- Start Recommendation of Online Ads	12/615,058	UTL	ABANDONED	11/9/2009		
Y05512US00	US	7/30/2009	OTH	System and Method for Forecasting an Inventory of Online Advertisement Impressions by Sampling in a Map-Reduce Framework	12/512,986	UTL	ABANDONED	7/30/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05505US00	US	3/31/2009	OTH	System and Method for Learning a Ranking Model that Optimizes a Ranking Evaluation Metric for Ranking Search Results of a Search Query	12/415,939	UTL	ABANDONED	3/31/2009		
Y05500US00	US	2/24/2010	OTH	Methods for Detecting and Removing Duplicates in Video Search Results	12/712,149	UTL	ISSUED	2/24/2010	10/21/2014	8,868,569
Y05491US00	US	6/25/2009	OTH	Method and System for Utilizing User Selection Data to Determine Relevance of a Web Document for a Search Query	12/491,463	UTL	ABANDONED	6/25/2009		
Y05486US00	US	3/30/2009	OTH	System and Method for an Online Advertising Exchange with Submarkets Formed by Portfolio Optimization	12/415,846	UTL	ABANDONED	3/30/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05479US00	US	8/25/2009	OTH	System and Method for Generating a Valuation of Revenue Opportunity for a Keyword from a Valuation of Online Sessions On a Website from User Activities Following a Keyword Search	12/547,468	UTL	ABANDONED	8/25/2009		
Y05472US00	US	7/30/2009	OTH	System and Method for Generating a Valuation of Online Users and Websites from User Activities	12/512,981	UTL	ABANDONED	7/30/2009		
Y05470US00	US	5/26/2009	OTH	Dynamic Group Labels	12/472,302	UTL	PUBLISHED	5/26/2009		
Y05466US00	US	11/4/2009	OTH	Complementary User Segment Analysis And Recommendation In Online Advertising	12/612,263	UTL	ABANDONED	11/4/2009		
Y05442US00	US	6/3/2009	OTH	Binary Interest Vector For Better Audience Targeting	12/477,815	UTL	ISSUED	6/3/2009	7/3/2012	8,214,390
Y05440US00	US	3/4/2009	OTH	Constructing Image CAPTCHAs Utilizing Private Information of the Images	12/397,561	UTL	ABANDONED	3/4/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05435US00	US	4/24/2009	OTH	Account Recovery Via Aging Of Account Data Points	12/429,507	UTL	ABANDONED	4/24/2009		
Y05433US00	US	1/26/2010	OTH	System And Method For Social Networking	12/693,510	UTL	ISSUED	1/26/2010	10/7/2014	8,856,229
Y05426US00	US	5/7/2009	OTH	SYSTEM, METHOD, OR APPARATUS RELATING TO CATEGORIZING OR SELECTING POTENTIAL SEARCH RESULTS	12/437,043	UTL	ABANDONED	5/7/2009		
Y05409US01	US	6/20/2016	CON	Maximizing Relevance Of Delivered Data Using A Single Common Identifier	15/187,250	UTL	PENDING	1/29/2009		
Y05395US00	US	8/5/2009	OTH	Automatic Campaign Optimization for Online Advertising Using Return on Investment Metrics	12/535,879	UTL	ABANDONED	8/5/2009		
Y05394US00	US	2/4/2009	OTH	Systems and methods for a search engine results page research assistant	12/365,881	UTL	ABANDONED	2/4/2009		
Y05371US00	US	4/22/2009	OTH	Method and System for Implementing a Composite Database	12/428,367	UTL	ABANDONED	4/22/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05366US00	US	4/30/2009	OTH	Method and System for Annotating Video Content	12/433,052	UTL	ISSUED	4/30/2009	3/17/2015	8,984,406
Y05353US00	US	4/2/2009	OTH	Enhanced Search Marketing	12/416,931	UTL	ABANDONED	4/2/2009		
Y05348US00	US	5/29/2009	OTH	Click Through Rate Prediction Using A Probabilistic Latent Variable Model	12/474,668	UTL	ABANDONED	5/29/2009		
Y05345US00	US	5/21/2009	OTH	Automatically Ranking Multimedia Objects Identified in Response to Search Queries	12/470,437	UTL	ABANDONED	5/21/2009		
Y05343US00	US	6/1/2009	OTH	Method and System for Matching Advertisements to Web Feeds	12/475,846	UTL	ABANDONED	6/1/2009		
Y05337US00	US	4/1/2009	OTH	Method and System for Generating A Mini-Software Application Corresponding to a Website	12/416,720	UTL	ABANDONED	4/1/2009		
Y05333US00	US	4/3/2009	OTH	Techniques for Categorizing Search Queries	12/418,112	UTL	ABANDONED	4/3/2009		
Y05328US00	US	8/26/2009	OTH	Identification And Measurement Of Social Influence And Correlation	12/547,960	UTL	ISSUED	8/26/2009	3/19/2013	8,401,984

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05327US00	US	6/10/2009	OTH	Enriched Document Representations using Aggregated Anchor Text	12/482,377	UTL	ABANDONED	6/10/2009		
Y05324US00	US	4/15/2009	OTH	System and Method for Automatically Grouping Keywords Into Ad Groups	12/424,521	UTL	ABANDONED	4/15/2009		
Y05321US00	US	5/23/2009	OTH	Managing electronic addresses based on communication patterns	12/471,351	UTL	PUBLISHED	5/23/2009		
Y05316US00	US	6/24/2009	OTH	Context Aware Image Representation	12/491,217	UTL	ISSUED	6/24/2009	4/30/2013	8,433,993
Y05305US00	US	2/11/2009	OTH	Large-Scale Item Affinity Determination Using A Map Reduce Platform	12/369,160	UTL	ABANDONED	2/11/2009		
Y05300US00	US	2/27/2009	OTH	A System For Transforming Queries Using Object Identification	12/394,930	UTL	ABANDONED	2/27/2009		
Y05299US00	US	4/1/2009	OTH	High Precision Web Extraction Using Site Knowledge	12/416,381	UTL	ABANDONED	4/1/2009		
Y05298US00	US	3/26/2009	OTH	Quicklink Selection for Navigational Query Results	12/412,252	UTL	ABANDONED	3/26/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05294US00	US	12/17/2009	OTH	Time series storage for large-scale monitoring system	12/640,429	UTL	ABANDONED	12/17/2009		
Y05292US00	US	2/12/2009	OTH	Non-Exact Cache Matching	12/370,306	UTL	ABANDONED	2/12/2009		
Y05291US00	US	4/8/2009	OTH	System and Method for Deep Targeting Advertisement Based on Social Behaviors	12/420,638	UTL	ABANDONED	4/8/2009		
Y05288US00	US	9/29/2009	OTH	Rate-Based Auction-Format Online Advertisement Management	12/569,210	UTL	ABANDONED	9/29/2009		
Y05285US00	US	4/7/2009	OTH	Finding Similar Campaigns for Internet Advertisement Targeting	12/419,923	UTL	ABANDONED	4/7/2009		
Y05283US00	US	8/12/2009	OTH	System and Method for Providing Recommendations	12/540,337	UTL	PUBLISHED	8/12/2009		
Y05279US00	US	2/19/2009	OTH	Personalized Recommendations on Dynamic Content	12/388,941	UTL	ISSUED	2/19/2009	3/21/2017	9,600,581
Y05274US00	US	3/5/2009	OTH	Transferring Targeting and Marketing Information from an Online Advertisement System	12/398,908	UTL	ABANDONED	3/5/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05270US00	US	5/12/2009	OTH	Feature Normalization And Adaptation To Build A Universal Ranking Function	12/464,660	UTL	ABANDONED	5/12/2009		
Y05267US00	US	5/4/2009	OTH	INVENTORY AGGREGATION ON AN ELECTRONIC EXCHANGE METHOD AND APPARATUS FOR BLENDING SEARCH RESULTS	12/435,351	UTL	ABANDONED	5/4/2009		
Y05263US00	US	12/16/2008	OTH		12/335,666	UTL	ABANDONED	12/16/2008		
Y05258US01	US	10/21/2014	CON	Indicating Unavailability Of An Uploaded Video File That Is Being Bitrate Encoded	14/520,059	UTL	ISSUED	9/2/2009	8/18/2015	9,111,299
Y05258US00	US	9/2/2009	OTH	Indicating Unavailability Of An Uploaded Video File That Is Being Bitrate Encoded	12/552,364	UTL	ISSUED	9/2/2009	11/25/2014	8,898,575
Y05250US00	US	5/11/2009	OTH	Identifying a Level of Desirability of Hyperlinked Information or Other User Selectable Information	12/463,808	UTL	ABANDONED	5/11/2009		
Y05249US00	US	2/18/2009	OTH	Identification Of A Trusted Message Sender With Traceable Receipts	12/388,481	UTL	ABANDONED	2/18/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05242US00	US	1/12/2009	OTH	Instant Message Forwarding To Selectable Accounts	12/352,482	UTL	ABANDONED	1/12/2009		
Y05241US00	US	2/27/2009	OTH	Intelligent Status Polling	12/395,492	UTL	ABANDONED	2/27/2009		
Y05233US00	US	6/25/2009	OTH	System and Method for Automatically Generating Web Page Augmentation	12/492,034	UTL	ABANDONED	6/25/2009		
Y05231US00	US	2/3/2009	OTH	Method, System, or Apparatus for Implementing a Budget Balanced/Surplus Syndicated Sponsored Search Market	12/365,088	UTL	ABANDONED	2/3/2009		
Y05227US00	US	1/21/2009	OTH	Interest-Based Activity Marketing	12/357,332	UTL	ABANDONED	1/21/2009		
Y05224US00	US	4/2/2009	OTH	Method, System, Or Apparatus For Joining One Or More Events	12/417,501	UTL	ABANDONED	4/2/2009		
Y05223US00	US	12/9/2008	OTH	Minimap navigation for spreadsheet	12/331,296	UTL	ABANDONED	12/9/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05216US00	US	4/10/2009	OTH	System and Method for Automatic Matching of Contracts to Impression Opportunities Using Complex Predicates and an Inverted Index	12/421,974	UTL	ABANDONED	4/10/2009		
Y05214US00	US	6/30/2009	OTH	System and Method for Transacting with an Advertising Agency Participating on an Advertising Exchange	12/495,047	UTL	ABANDONED	6/30/2009		
Y05209US00	US	4/21/2009	OTH	System, Method, or Apparatus for Calibrating a Relevance Score	12/427,570	UTL	ABANDONED	4/21/2009		
Y05192US00	US	3/3/2009	OTH	System, Method, And Apparatus For Sorting At Least Partially Dynamic Data	12/396,910	UTL	ABANDONED	3/3/2009		
Y05183US00	US	2/13/2009	OTH	Leveraging an Informational Resource for Doing Disambiguation	12/371,410	UTL	ABANDONED	2/13/2009		
Y05179US00	US	1/9/2009	OTH	High Precision Multi Entity Extraction	12/351,676	UTL	ABANDONED	1/9/2009		
Y05178US00	US	11/29/2006	NEW	Win Probability Based On Historic Analysis	11/606,970	UTL	ABANDONED	11/29/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05177US00	US	3/4/2009	OTH	Adaptive Document Sampling For Information Extraction	12/398,162	UTL	ABANDONED	3/4/2009		
Y05176US00	US	7/21/2005	NEW	Graphical User Interface For A Fantasy Sports Application	11/186,469	UTL	ABANDONED	7/21/2005		
Y05174US00	US	7/21/2005	NEW	Fantasy Single Sport Challenge	11/186,602	UTL	ABANDONED	7/21/2005		
Y05173US00	US	7/21/2005	NEW	Fantasy Cross-Sport Challenge	11/186,368	UTL	ABANDONED	7/21/2005		
Y05172US00	US	7/21/2005	NEW	Athlete Valuation	11/186,503	UTL	ABANDONED	7/21/2005		
Y05171US00	US	4/24/2009	OTH	A Transductive Approach to Category-specific Record Attribute Extraction	12/429,442	UTL	ABANDONED	4/24/2009		
Y05163US00	US	3/18/2009	OTH	Reducing Revenue Risk In Advertisement Allocation	12/406,469	UTL	ABANDONED	3/18/2009		
Y05161US00	US	2/27/2009	OTH	Automatic Extraction Using Machine Learning Based Robust Structural Extractors	12/395,586	UTL	ABANDONED	2/27/2009		
Y05160US00	US	12/22/2008	OTH	Determining Spam Based On Primary And Secondary Email Addresses Of A User	12/341,323	UTL	ABANDONED	12/22/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05156US00	US	12/18/2008	OTH	Predictive Gaussian Process Classification With Reduced Complexity	12/338,098	UTL	ABANDONED	12/18/2008		
Y05155US00	US	12/23/2008	OTH	Efficiently Building Compact Models For Large Taxonomy Text Classification	12/342,750	UTL	ABANDONED	12/23/2008		
Y05153US00	US	6/29/2009	OTH	Advertising Engine and Network Using Mobile Devices	12/494,134	UTL	ABANDONED	6/29/2009		
Y05150US00	US	1/9/2009	OTH	Data Structure for Implementing Priority Queues	12/351,364	UTL	ABANDONED	1/9/2009		
Y05139US00	US	3/20/2009	OTH	APPARATUS AND METHODS FOR CONCEPT-CENTRIC INFORMATION EXTRACTION	12/408,450	UTL	ABANDONED	3/20/2009		
Y05133US00	US	11/24/2008	OTH	Clustering Image Search Results Through Folding	12/277,242	UTL	ABANDONED	11/24/2008		
Y05130US00	US	2/3/2009	OTH	Updating Wrapper Annotations	12/365,129	UTL	ABANDONED	2/3/2009		
Y05129US00	US	2/3/2009	OTH	Identifying Previously Annotated Web Page Information	12/365,117	UTL	ABANDONED	2/3/2009		
Y05125US00	US	12/24/2008	OTH	Segmentation of Interleaved Query Missions into Query Chains	12/344,138	UTL	ABANDONED	12/24/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05119US00	US	2/12/2009	OTH	Lazy Deserialization: A Technique for Boosting Web Search Performance	12/370,278	UTL	ABANDONED	2/12/2009		
Y05108US00	US	1/26/2009	OTH	Passive Access By Online Ads To A Landing Zone	12/359,751	UTL	ABANDONED	1/26/2009		
Y05086US00	US	11/17/2008	OTH	Searching Document Collections Using Semantic Roles of Keywords	12/272,231	UTL	ABANDONED	11/17/2008		
Y05082US00	US	2/27/2009	OTH	TRACKING WEB PAGE CLICK INFORMATION	12/394,726	UTL	ABANDONED	2/20/2009		
Y05076US00	US	11/17/2008	OTH	Conjoint Analysis with Bilinear Regression Models for Segmented Predictive Content Ranking	12/272,607	UTL	ABANDONED	11/17/2008		
Y05066US00	US	1/22/2009	OTH	Method and System for Communicating With an Interactive Voice Response (IVR) System	12/357,645	UTL	ISSUED	1/22/2009	9/24/2013	8,543,406
Y05057US00	US	12/30/2008	OTH	Approaches for the Unsupervised Creation of Structural Templates for Electronic Documents	12/346,483	UTL	ABANDONED	12/30/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05056US00	US	3/5/2009	OTH	Traffic Management in an Online Advertisement Bidding System	12/398,914	UTL	ABANDONED	3/5/2009		
Y05055US00	US	9/4/2009	OTH	System for Real-Time Searching of Large Volumes of Frequently Changing Data	12/554,628	UTL	ABANDONED	9/4/2009		
Y05052US00D6	US	1/10/2011	DIV	User Interface for a Portion of a Computing Device Display Screen, the User Interface Comprising Icons	29/382,947	DES	ABANDONED	12/12/2008		
Y05052US00D5	US	11/17/2009	DIV	Icons For A User Interface	29/350,473	DES	ABANDONED	12/12/2008		
Y05052US00D4	US	12/12/2008	OTH	Icons For A User Interface	29/329,353	DES	ISSUED	12/12/2008	12/29/2009	D607,006
Y05052US00D3	US	12/12/2008	OTH	Toolbar For A User Interface	29/329,352	DES	ISSUED	12/12/2008	3/23/2010	D612,393
Y05052US00D2	US	12/12/2008	OTH	Toolbar For A User Interface	29/329,349	DES	ISSUED	12/12/2008	3/16/2010	D611,948
Y05052US00D1	US	12/12/2008	OTH	Toolbar for a User Interface	29/329,348	DES	ISSUED	12/12/2008	5/17/2011	D638,026
Y05050US00	US	12/15/2008	OTH	Phrase Identification Using Break Points	12/334,725	UTL	ABANDONED	12/15/2008		
Y05049US00	US	3/19/2009	OTH	Dynamic Estimation Of The Popularity Of Web Content	12/407,785	UTL	ABANDONED	3/19/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05048US00	US	9/30/2008	OTH	Web Page and Web Site Importance Estimation Using Aggregate Browsing History	12/241,299	UTL	ABANDONED	9/30/2008		
Y05047US00	US	11/20/2008	OTH	Apparatus and Methods for Creating Web Logs (Blogs) Containing Media Commentary	12/275,098	UTL	ABANDONED	11/20/2008		
Y05045US00	US	12/29/2008	OTH	Automated Bookmarking	12/345,293	UTL	ABANDONED	12/29/2008		
Y05041US00	US	9/30/2008	OTH	Parallel Execution of Range Query	12/241,765	UTL	ABANDONED	9/30/2008		
Y05038US00	US	2/6/2009	OTH	Search Query Disambiguation	12/367,114	UTL	ABANDONED	2/6/2009		
Y05037US00	US	1/15/2009	OTH	Topical Ranking in Information Retrieval	12/354,533	UTL	ABANDONED	1/15/2009		
Y05031US00	US	1/26/2009	OTH	System and Method for Ranking Web Searches With Quantified Semantic Features	12/360,016	UTL	ABANDONED	1/26/2009		
Y05029US00	US	12/29/2008	OTH	Visual Search Engine For Personal Dating	12/345,435	UTL	ABANDONED	12/29/2008		
Y05027US00	US	5/13/2009	OTH	Identification of related bid phrases and categories using co-bidding information	12/465,077	UTL	ABANDONED	5/13/2009		
Y05018US00	US	8/4/2009	OTH	User Interaction Layer	12/535,512	UTL	ABANDONED	8/4/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05016US01	US	11/7/2008	CON	Enhanced Matching through Exploit Schemes	12/267,538	UTL	ABANDONED	11/7/2008		
Y05013US03	US	9/17/2009	FCA	Detection Of Outbound Sending Of Spam	12/561,940	UTL	ISSUED	9/19/2008	10/21/2014	8,868,663
Y05013US02	US	9/18/2009	FCA	Detecting Spam From A Bulk Registered E-Mail Account	12/562,792	UTL	ISSUED	9/19/2008	11/18/2014	8,892,661
Y05013US01	US	9/17/2009	FCA	Detecting Bulk Fraudulent Registration Of Email Accounts	12/561,875	UTL	ISSUED	9/19/2008	9/2/2014	8,826,450
Y05013US00	US	9/19/2008	OTH	Automated Detector of Abusively Registered Accounts	61/098,741	PRV	CONV PRV	9/19/2008		
Y05007US00	US	1/2/2009	OTH	A Method and System for Correcting Bias Introduced by Estimating Offer Values	12/348,248	UTL	ABANDONED	1/2/2009		
Y05005US01	US	1/28/2013	DIV	Spam Filtering Based On Statistics And Token Frequency Modeling	13/752,141	UTL	ABANDONED	12/4/2008		
Y05005US00	US	12/4/2008	OTH	Spam Filtering Based On Statistics And Token Frequency Modeling	12/328,723	UTL	ISSUED	12/4/2008	1/29/2013	8,364,766
Y05004US00	US	9/26/2008	OTH	Retrospective Spam Filtering	12/239,530	UTL	ABANDONED	9/26/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y05002US00	US	12/30/2008	OTH	Search Query Concept Based Recommendations	12/346,832	UTL	ABANDONED	12/30/2008		
Y04996US00	US	9/30/2008	OTH	Guiding user moderation by confidence levels	12/242,777	UTL	ISSUED	9/30/2008	12/24/2013	8,615,512
Y04988US00	US	9/15/2008	OTH	Targeted Instant Messenger Behaviors Employed For Optimization Of A Client	12/211,078	UTL	PUBLISHED	9/15/2008		
Y04987US00	US	1/26/2009	OTH	System and Method for Improved Search Relevance Using Proximity Boosting	12/360,008	UTL	ABANDONED	1/26/2009		
Y04986US00	US	10/27/2008	OTH	Host-Based Seed Selection Algorithm for Web Crawlers	12/259,164	UTL	ABANDONED	10/27/2008		
Y04985US01	US	6/17/2013	CON	Adaptive Weighted Crawling Of User Activity Feeds	13/919,760	UTL	ABANDONED	11/6/2008		
Y04980US00	US	11/14/2008	OTH	Astrology Based Content Selection	12/270,858	UTL	ABANDONED	11/14/2008		
Y04978US00	US	10/29/2008	OTH	Cross-Lingual Classification of Queries	12/260,812	UTL	ABANDONED	10/29/2008		
Y04972US00	US	11/25/2008	OTH	Validation Framework	12/323,148	UTL	ABANDONED	11/25/2008		
Y04965US00	US	2/9/2009	OTH	User Access Time Based Content Filtering	12/367,776	UTL	ABANDONED	2/9/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04958US00	US	6/29/2009	OTH	Compensating in Cost-Per-Action Advertising	12/493,739	UTL	ABANDONED	6/29/2009		
Y04949US00	US	1/31/2009	OTH	System and method for context-adaptive shaping of relevance scores for position auctions	12/363,756	UTL	ABANDONED	1/31/2009		
Y04941US00	US	12/30/2008	OTH	System, Method, or Apparatus for Updating Stored Search Result Values	12/346,684	UTL	ABANDONED	12/30/2008		
Y04937US00	US	12/24/2008	OTH	Identification And Transfer Of A Media Object Segment From One Communications Network To Another	12/344,148	UTL	ABANDONED	12/24/2008		
Y04929US00	US	10/31/2008	OTH	A Multi-Core Friendly Distributed Index for Metric-Space Databases	12/263,393	UTL	ABANDONED	10/31/2008		
Y04927US00	US	3/5/2009	OTH	Caching Bids in an Online Advertisement Bidding System	12/398,833	UTL	ABANDONED	3/5/2009		
Y04926US00	US	3/5/2009	OTH	Unified Marketplace for an Online Advertisement Bidding System	12/398,930	UTL	ABANDONED	3/5/2009		
Y04925US00	US	3/5/2009	OTH	Architecture for an Online Advertising Bidding system	12/398,841	UTL	ABANDONED	3/5/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04924US00	US	9/25/2008	OTH	Informational Content Presentation Via Backdrop Images	12/237,739	UTL	ABANDONED	9/25/2008		
Y04923US00	US	10/24/2008	OTH	Video Encoding For Mobile Devices	12/258,238	UTL	ABANDONED	10/24/2008		
Y04922US00	US	3/23/2009	OTH	System and Method for Attention-Grabbing Display Results for Sponsored Online Advertising Campaigns	12/409,222	UTL	ABANDONED	3/23/2009		
Y04917US00	US	9/30/2008	OTH	Method and System for Application Program Management Platform	12/242,459	UTL	ABANDONED	9/30/2008		
Y04906US00	US	9/30/2008	OTH	Offline Optimization of Online Processes	12/242,393	UTL	ABANDONED	9/30/2008		
Y04904US00	US	12/20/2008	OTH	System and Method for Allocation and Pricing of Overlapping Impression Pools of Online Advertisement Impressions for Advertising Demand with Frequency Capping	12/340,695	UTL	ABANDONED	12/20/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04900US00	US	10/24/2008	OTH	Multi-stage Bidding System for Guaranteed Advertising Contracts in a Network of Networks	12/258,283	UTL	ABANDONED	10/24/2008		
Y04899US00	US	10/23/2008	OTH	Time-Weighted and Scaling Optimization of Allocation of Online Advertisement Inventory	12/257,241	UTL	ABANDONED	10/23/2008		
Y04898US00	US	10/23/2008	OTH	Inventory Allocation with Tradeoff Between Fairness and Maximal Value of Remaining Inventory	12/257,309	UTL	ABANDONED	10/23/2008		
Y04897US00	US	10/17/2008	OTH	Scaling Optimization of Allocation of Online Advertisement Inventory	12/253,377	UTL	ABANDONED	10/17/2008		
Y04896US00	US	10/17/2008	OTH	Optimization of Allocation of Online Advertisement Inventory	12/253,326	UTL	ABANDONED	10/17/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04895US00	US	10/30/2008	OTH	System and Method for Granular Inventory Forecasting of Online Advertisement Impressions	12/262,080	UTL	ABANDONED	10/30/2008		
Y04892US00	US	10/24/2008	OTH	Bidding System for Guaranteed Advertising Contracts in an Online Spot Market	12/258,312	UTL	ABANDONED	10/24/2008		
Y04891US00	US	9/30/2008	OTH	Multi-Objective Optimization for Inventory Allocation	12/241,657	UTL	ABANDONED	9/30/2008		
Y04890US00	US	10/31/2008	OTH	Method of Programmed Allocation of Advertising Opportunities for Conformance with Goals	12/262,511	UTL	ABANDONED	10/31/2008		
Y04889US00	US	12/24/2008	OTH	Distributed Computing System for Large-Scale Data Handling	12/343,979	UTL	ABANDONED	12/24/2008		
Y04888US00	US	6/10/2009	OTH	Allocation of Internet Advertising Inventory	12/482,184	UTL	ABANDONED	6/10/2009		
Y04886US00	US	6/10/2009	OTH	Allocation of Internet Advertising Inventory	12/482,198	UTL	ABANDONED	6/10/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04885US00	US	9/30/2008	OTH	Display Advertising Contract Pricing	12/242,820	UTL	ABANDONED	9/30/2008		
Y04884US00	US	9/29/2008	OTH	Allocation using demand forecasts	12/240,749	UTL	ABANDONED	9/29/2008		
Y04883US00	US	9/30/2008	OTH	Display Advertising Inventory Estimation	12/242,709	UTL	ABANDONED	9/30/2008		
Y04882US00	US	1/16/2009	OTH	Allocation of Internet Advertising Inventory	12/355,393	UTL	ABANDONED	1/16/2009		
Y04881US00	US	1/16/2009	OTH	Allocation of Internet Advertising Inventory	12/355,371	UTL	ABANDONED	1/16/2009		
Y04879US00	US	1/16/2009	OTH	Allocation of Internet Advertising Inventory	12/355,282	UTL	ABANDONED	1/16/2009		
Y04878US00	US	1/16/2009	OTH	Allocation of Internet Advertising Inventory	12/355,308	UTL	ABANDONED	1/16/2009		
Y04875US01	US	8/16/2013	CON	Estimating on-line advertising inventory value based on contract eligibility information	13/969,223	UTL	ABANDONED	9/29/2008		
Y04874US00	US	9/29/2008	OTH	Estimating On-Line Advertising Inventory Value Based on Contract Delivery Information	12/240,835	UTL	ABANDONED	9/29/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04873US00	US	10/22/2008	OTH	Adaptive bidding scheme for guaranteed delivery contracts	12/255,979	UTL	ABANDONED	10/22/2008		
Y04870US00	US	2/10/2009	OTH	Generating A Live Chat Session In Response To Selection Of A Contextual Shortcut	12/368,937	UTL	PUBLISHED	2/10/2009		
Y04867US00	US	12/19/2008	OTH	System And Method For Advertising Using Classification Information	12/339,124	UTL	ABANDONED	12/19/2008		
Y04864US01	US	9/30/2008	OTH	Multi-Granular Age Range Products For Use in Online Marketing	12/242,305	UTL	ABANDONED	9/30/2008		
Y04861US00	US	11/7/2008	OTH	Composing a Message in an Online Textbox Using a Non-Latin Script	12/267,299	UTL	ISSUED	11/7/2008	2/21/2012	8,122,353
Y04860US00	US	9/27/2008	OTH	System and Method for Finding Connected Components in a Large-scale Graph	12/239,770	UTL	ABANDONED	9/27/2008		
Y04858US00	US	9/29/2008	OTH	Systems And Methods For Distributing Advertisements In A Network-Based Environment	12/240,549	UTL	ABANDONED	9/29/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04857US00	US	9/30/2008	OTH	System And Method For Optimizing An Advertisement Plan For Allocating Advertisements To A Contract In A Network-Based Environment	12/242,696	UTL	ABANDONED	9/30/2008		
Y04851US00	US	9/30/2008	OTH	System And Method For Safe Code Loading	12/241,627	UTL	ABANDONED	9/30/2008		
Y04850US00	US	9/30/2008	OTH	System And Method For Indexing Sub-Spaces	12/242,748	UTL	ABANDONED	9/30/2008		
Y04848US00	US	9/30/2008	OTH	System And Method For Utilizing Date Constraints In An Advertisement Serving System	12/242,628	UTL	ABANDONED	9/30/2008		
Y04844US00	US	12/2/2008	OTH	Customizable Content for Distribution in Social Networks	12/326,553	UTL	ISSUED	12/2/2008	12/29/2015	9,224,172
Y04840US00	US	9/29/2008	OTH	Multi-lingual Maps	12/240,468	UTL	ABANDONED	9/29/2008		
Y04837US00	US	9/11/2008	OTH	Delivery of Synchronized Metadata Using Multiple Transactions	12/208,942	UTL	ABANDONED	9/11/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04831US00	US	10/20/2008	OTH	Search Results For A Topic That Include A List Of Messaging Users That Have Previously Searched On That Topic	12/254,774	UTL	ABANDONED	10/20/2008		
Y04826US00	US	9/3/2008	OTH	Universal Pixel Management	12/203,312	UTL	ABANDONED	9/3/2008		
Y04824US00	US	8/28/2008	OTH	Conversion Value Reporting Using Conversion Value Pixel	12/200,350	UTL	ABANDONED	8/28/2008		
Y04822US00	US	8/29/2008	OTH	Advertising System for Internet Discussion Forums	12/201,540	UTL	ABANDONED	8/29/2008		
Y04820US00	US	10/23/2008	OTH	Context-sensitive search	12/257,211	UTL	ABANDONED	10/23/2008		
Y04818US00	US	11/11/2008	OTH	Method and System for Logging Impressions of Online Advertisements	12/268,998	UTL	ABANDONED	11/11/2008		
Y04816US00	US	10/15/2008	OTH	Inventory Identifier	12/252,325	UTL	ABANDONED	10/15/2008		
Y04814US00	US	9/30/2008	OTH	Site Activation and Deactivation	12/242,549	UTL	ABANDONED	9/30/2008		
Y04813US00	US	10/17/2008	OTH	Common Tag Format for Ad Serving and Information Tracking in Internet Advertising	12/253,420	UTL	ABANDONED	10/17/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04812US00	US	1/30/2009	OTH	Automatic image selection for news result summarization	12/362,896	UTL	ABANDONED	1/30/2009		
Y04811US00	US	11/26/2008	OTH	System and Method for Securing Invocations for Serving Advertisements and Instrumentation in Online Advertising	12/324,786	UTL	ABANDONED	11/26/2008		
Y04810US00	US	11/21/2008	OTH	System and Method For Ranking And Grouping Results Of Code Searches	12/275,593	UTL	ABANDONED	11/21/2008		
Y04809US00	US	10/31/2008	OTH	System and Method of Data Partitioning for Parallel Processing of Dynamically Generated Application Data	12/263,422	UTL	ABANDONED	10/31/2008		
Y04807US00	US	10/8/2008	OTH	Advertising Inventory Controls	12/247,968	UTL	ABANDONED	10/8/2008		
Y04798US00	US	10/20/2008	OTH	Commercial Incentive Presentation System And Method	12/254,213	UTL	ABANDONED	10/20/2008		
Y04796US00	US	11/21/2008	OTH	Rate Card Yield Management	12/275,654	UTL	ABANDONED	11/21/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04795US00	US	11/11/2008	OTH	System and Method For Utilizing Non-Compete Advertisement Tags In An Advertisement Serving System	12/268,518	UTL	ABANDONED	11/11/2008		
Y04792US00	US	8/14/2008	OTH	Audience Manager and Resellers	12/191,846	UTL	ABANDONED	8/14/2008		
Y04791US00	US	8/14/2008	OTH	Audience Manager and Data Providers	12/191,740	UTL	ABANDONED	8/14/2008		
Y04790US00	US	8/14/2008	OTH	Audience Manager and Custom Segments	12/191,685	UTL	ABANDONED	8/14/2008		
Y04789US00	US	8/14/2008	OTH	Audience Manager and Sellers	12/191,642	UTL	ABANDONED	8/14/2008		
Y04788US00	US	8/14/2008	OTH	System And Method For Managing User Data Segments In An Advertising Exchange	12/191,595	UTL	ABANDONED	8/14/2008		
Y04787US00	US	8/14/2008	OTH	Audience Manager and End Users	12/191,556	UTL	ABANDONED	8/14/2008		
Y04780US00	US	11/12/2008	OTH	Premium Bidding of Online Advertisements	12/269,694	UTL	ABANDONED	11/12/2008		
Y04779US00	US	9/30/2008	OTH	Comparison of Online Advertising Data Consistency	12/242,502	UTL	ABANDONED	9/30/2008		
Y04778US00	US	9/30/2008	OTH	Systems and methods for surfacing contextually relevant information	12/242,441	UTL	ABANDONED	9/30/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04773US00	US	6/30/2008	OTH	Extensions for System and Method for an Extensible Media Player	12/165,290	UTL	ABANDONED	6/30/2008		
Y04772US00	US	10/7/2008	OTH	Discovering Leaders in a Social Network	12/246,668	UTL	ABANDONED	10/7/2008		
Y04770US00	US	10/14/2008	OTH	System for resolving entities in text into real world objects using context	12/251,146	UTL	ABANDONED	10/14/2008		
Y04748US00	US	1/31/2009	OTH	System and method for keyword-based trading	12/363,753	UTL	ABANDONED	1/31/2009		
Y04743US00	US	9/30/2008	OTH	Dynamic Advertisement Management	12/242,041	UTL	ABANDONED	9/30/2008		
Y04740US00	US	9/24/2008	OTH	Dated Metadata To Support Multiple Versions Of User Profiles For Targeting Of Personalized Content	12/237,327	UTL	ABANDONED	9/24/2008		
Y04733US00	US	9/24/2008	OTH	Storage Optimization For Updated User Behavioral Profile Scores	12/237,323	UTL	ABANDONED	9/24/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04732US00	US	9/24/2008	OTH	Primary-Secondary Caching Scheme To Ensure Robust Processing Transition During Migration And/Or Failover	12/237,322	UTL	ABANDONED	9/24/2008		
Y04729US00	US	8/12/2008	OTH	System and Method for Combating Phishing	12/190,346	UTL	ABANDONED	8/12/2008		
Y04723US00	US	3/13/2009	OTH	A Multi-Tiered System for Searching Large Collections in Parallel	12/404,008	UTL	ABANDONED	3/13/2009		
Y04722US00	US	3/25/2009	OTH	Ad Groups For Using Advertisements Across Placements	12/410,843	UTL	ABANDONED	3/25/2009		
Y04720US00	US	4/3/2009	OTH	Providing Recommendations For Trafficking Online Ads In An Online Ad Network	12/418,027	UTL	ABANDONED	4/3/2009		
Y04719US00	US	2/19/2009	OTH	Web-Based Organization Of Online Advertising Content	12/388,937	UTL	ABANDONED	2/19/2009		
Y04718US00	US	9/29/2008	OTH	User Interface for Internet Advertisements	12/240,765	UTL	ABANDONED	9/29/2008		
Y04717US00	US	9/30/2008	OTH	Method and System for Uploading Advertisement Content	12/242,626	UTL	ABANDONED	9/30/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04716US00	US	11/25/2008	OTH	Dynamic Advertisement Tags	12/323,125	UTL	ABANDONED	11/25/2008		
Y04714US00	US	1/29/2009	OTH	Uploading A Hierarchical File Structure Using A Web Service	12/361,937	UTL	ABANDONED	1/29/2009		
Y04712US00	US	7/18/2008	OTH	Predicting Selection Rates of a Document Using Click-Based Translation Dictionaries	12/176,264	UTL	ABANDONED	7/18/2008		
Y04710US00	US	11/26/2008	OTH	System and Method for Publishing Messages Asynchronously in a Distributed Database	12/324,767	UTL	ABANDONED	11/26/2008		
Y04706US00	US	12/18/2008	OTH	Search Engine Design and Computational Cost Analysis	12/338,117	UTL	ABANDONED	12/18/2008		
Y04705US00	US	12/18/2008	OTH	Query Processing in a Dynamic Cache	12/338,504	UTL	ABANDONED	12/18/2008		
Y04704US01	US	4/13/2009	OTH	Inferring an Optimal Minimum Reserve Price from a Distribution of bids in an Online Auction	12/422,860	UTL	ABANDONED	4/13/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04704US00	US	4/13/2009	OTH	Inferring a Distribution of Values from a Distribution of Bids in an Online Auction	12/422,845	UTL	ABANDONED	4/13/2009		
Y04702US00	US	9/16/2008	OTH	Optimization framework for tuning ranking engine	12/211,307	UTL	ISSUED	9/16/2008	1/31/2012	8,108,374
Y04693US00	US	9/15/2008	OTH	Methods and Systems for Efficiently Transforming Online Ad Creatives Using Dynamically Compiled Templates	12/210,962	UTL	ABANDONED	9/15/2008		
Y04687US00	US	11/12/2008	OTH	A Method And System For Selecting Advertisements	12/269,365	UTL	ABANDONED	11/12/2008		
Y04686US00	US	11/12/2008	OTH	Improving Diversity Of Ads Displayed On A Publisher Page	12/269,383	UTL	ABANDONED	11/12/2008		
Y04685US00	US	10/31/2008	OTH	Method and System for Building Data Objects for Online Display Advertisings	12/263,220	UTL	ABANDONED	10/31/2008		
Y04682US00	US	9/30/2008	OTH	System and Method for Recommending Personalized Career Paths	12/241,497	UTL	ABANDONED	9/30/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04673US00	US	9/29/2008	OTH	Personalized Search Results To Multiple People	12/240,069	UTL	ABANDONED	9/29/2008		
Y04672US00	US	9/30/2008	OTH	Search Results For Local Versus Traveler	12/241,395	UTL	ABANDONED	9/30/2008		
Y04668US00	US	9/30/2008	OTH	System, Method, or Apparatus Relating to Determining Search Results Based at least in Part on One or More Content Features	12/242,273	UTL	ABANDONED	9/30/2008		
Y04663US00	US	8/8/2008	OTH	Searching By Object Category For Online Collaboration Platform	12/189,100	UTL	ABANDONED	8/8/2008		
Y04659US00	US	8/8/2008	OTH	Utility Toolbar For Online Collaboration Platform	12/189,083	UTL	ABANDONED	8/8/2008		
Y04656US01	US	9/24/2008	OTH	Captcha Image Generation	12/236,920	UTL	ABANDONED	9/24/2008		
Y04656US00	US	9/24/2008	OTH	Generating Hard Instances Of Captchas	12/236,869	UTL	ABANDONED	9/24/2008		
Y04655US01	US	5/23/2016	CON	Selecting Sporting Events Based on Event Status	15/161,721	UTL	ISSUED	9/9/2009	4/18/2017	9,626,686
Y04655US00	US	9/9/2009	OTH	Selecting Sporting Events Based on Event Status	12/555,959	UTL	ISSUED	9/9/2009	5/24/2016	9,348,913

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04654US00	US	11/20/2008	OTH	Extended Generalized Second Price Auction For Sponsored Search With Reserve Prices	12/274,464	UTL	ABANDONED	11/20/2008		
Y04648US00	US	8/12/2008	OTH	Method and Apparatus for Guaranteed Delivery of Ads on an Exchange	12/190,135	UTL	ABANDONED	8/12/2008		
Y04645US00	US	10/23/2008	OTH	Query Aware Processing	12/256,475	UTL	ABANDONED	10/23/2008		
Y04635US00	US	5/14/2009	OTH	Identifying and Recommending Connections Across Multiple Online Services	12/466,321	UTL	PUBLISHED	5/14/2009		
Y04633US04	US	2/4/2013	CON	Dynamic in-page advertising	13/758,726	UTL	ABANDONED	10/31/2008		
Y04633US02	US	1/31/2013	CON	Dynamic in-page advertising	13/755,722	UTL	ISSUED	10/31/2008	7/22/2014	8,788,346
Y04633US01	US	3/30/2012	CON	Dynamic in-page advertising	13/436,307	UTL	ISSUED	10/31/2008	3/5/2013	8,392,257
Y04633US00	US	10/31/2008	OTH	Dynamic in-page advertising	12/262,497	UTL	ISSUED	10/31/2008	5/8/2012	8,175,922
Y04630US00	US	11/6/2008	OTH	Diverse Query Recommendations Using Clustering-Based Methodology	12/265,949	UTL	ABANDONED	11/6/2008		
Y04629US00	US	11/6/2008	OTH	Diverse Query Recommendations Using Weighted Set Cover Methodology	12/265,936	UTL	ABANDONED	11/6/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04628US00	US	11/26/2008	OTH	Predictive Indexing for Fast Search	12/324,154	UTL	ABANDONED	11/26/2008		
Y04626US00	US	7/8/2008	OTH	Prediction of a Degree of Relevance Between Query Rewrites and a Search Query	12/169,218	UTL	ABANDONED	7/8/2008		
Y04624US00	US	7/25/2008	OTH	Advertising Campaign Reconciliation	12/180,041	UTL	ABANDONED	7/25/2008		
Y04616US00	US	8/1/2008	OTH	System, Method, or Apparatus Relating to a Data Structure with a Large Number of Entries	12/184,825	UTL	ABANDONED	8/1/2008		
Y04612US01	US	11/12/2008	CON	System and Methods for Integrated Advertisement Management	12/269,702	UTL	ABANDONED	8/20/2008		
Y04612US00	US	8/20/2008	OTH	System and Methods for Integrated Advertisement Management	12/195,219	UTL	ABANDONED	8/20/2008		
Y04610US00	US	11/7/2008	OTH	Image Relevance by Identifying Experts	12/266,939	UTL	ABANDONED	11/7/2008		
Y04609US00	US	11/7/2008	OTH	Image Compression by Comparison to Large Database	12/266,922	UTL	ABANDONED	11/7/2008		
Y04607US00	US	9/30/2008	OTH	Query Log Mining for Detecting Spam-Attracting Queries	12/242,099	UTL	ABANDONED	9/30/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04598US00	US	9/29/2008	OTH	Event Media Search	12/240,862	UTL	ABANDONED	9/29/2008		
Y04597US01	US	2/11/2010	CON	Presence Indication Configuration Methodology	12/704,271	UTL	ABANDONED	9/12/2008		
Y04596US00	US	9/30/2008	OTH	System And Method For Blending User Rankings For An Output Display	12/242,301	UTL	ABANDONED	9/30/2008		
Y04594US05	US	3/2/2012	CON	Automatic Feed Creation for Non-Feed Enabled Information Objects	13/411,223	UTL	ISSUED	12/12/2006	10/25/2016	9,477,969
Y04594US04	US	4/1/2011	CON	Open Framework for Integrating, Associating, and Interacting with Content Objects	13/078,176	UTL	ABANDONED	12/12/2006		
Y04594US03	US	2/17/2009	CON	Open Framework For Integrating, Associating, And Interacting With Content Objects Including Advertisement and Content Personalization	12/371,919	UTL	ABANDONED	12/12/2006		
Y04594US02	US	2/17/2009	CIP	Open Framework For Integrating, Associating, And Interacting With Content Objects Including Automatic Feed Creation	12/371,916	UTL	ISSUED	12/12/2006	3/20/2012	8,140,566

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04594US01	US	2/17/2009	CIP	Open Framework For Integrating, Associating, And Interacting With Content Objects	12/371,915	UTL	ABANDONED	12/12/2006		
Y04594US00	US	4/1/2008	OTH	Open Framework For Integrating, Associating, And Interacting With Search Results	61/041,590	PRV	CONV PRV	4/1/2008		
Y04586US00	US	9/29/2008	OTH	Scoring Clicks for Click Fraud Prevention	12/240,675	UTL	ABANDONED	9/29/2008		
Y04583US00	US	8/28/2008	OTH	Contextually Aware Web Application Platform	12/200,783	UTL	ISSUED	8/28/2008	1/10/2017	9,542,384
Y04582US00	US	9/2/2008	OTH	Integrated Community-Based, Contribution Polling Arrangement	12/202,743	UTL	ABANDONED	9/2/2008		
Y04581US00	US	8/5/2008	OTH	Modulation of Geo-Targeting Confidence Thresholds in Network Advertising Systems	12/186,307	UTL	ABANDONED	8/5/2008		
Y04577US00	US	8/11/2008	OTH	Operation of Internet Websites	12/189,472	UTL	ABANDONED	8/11/2008		
Y04576US00	US	10/27/2008	OTH	Interactive Advertisements in a Sponsored Search Environment	12/258,859	UTL	ABANDONED	5/2/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04575US00	US	10/27/2008	OTH	Multimedia Advertisements in a Sponsored Search Environment	12/258,842	UTL	ABANDONED	5/2/2008		
Y04569US00	US	11/4/2008	OTH	Performing Search Query Dimensional Analysis on Heterogeneous Structured Data Based on Relative Density	12/264,790	UTL	ABANDONED	11/4/2008		
Y04568US00	US	9/30/2008	CIP	Self Contained Multi-Dimensional Traffic Data Reporting And Analysis In A Large Scale Search Hosting System	12/242,272	UTL	ABANDONED	9/5/2008		
Y04567US00	US	12/30/2008	OTH	Squashed Matrix Factorization for Modeling Incomplete Dyadic Data	12/346,641	UTL	ABANDONED	12/30/2008		
Y04566US00	US	10/15/2008	OTH	Automatic Query Concepts Identification And Drifting For Web Search	12/252,220	UTL	ABANDONED	10/15/2008		
Y04565US00	US	10/22/2008	OTH	Selective Term Weighting for Web Search Based on Automatic Semantic Parsing	12/256,371	UTL	ABANDONED	10/22/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04562US00	US	11/10/2008	OTH	System and Method for Providing User Feedback in Association with Content in a Network	12/268,149	UTL	ABANDONED	11/3/2008		
Y04561US00	US	9/9/2008	OTH	System and Method for Real Time Bus Selection Arrangement	12/207,048	UTL	ABANDONED	9/9/2008		
Y04555US00	US	12/10/2008	OTH	Light-Weight Concurrency Control In Parallelized View Maintenance	12/331,842	UTL	ABANDONED	12/10/2008		
Y04552US00	US	6/12/2008	OTH	Method and Apparatus for Collecting Information About Targeted Behavior on the Internet	12/137,888	UTL	ABANDONED	6/12/2008		
Y04548US00	US	3/19/2009	OTH	Method And Apparatus For Associating Advertising Content With Computer Enabled Maps	12/407,681	UTL	ABANDONED	3/19/2009		
Y04546US00	US	7/22/2008	OTH	Personalized Advertising Using Lifestreaming Data	12/177,675	UTL	ABANDONED	7/22/2008		
Y04541US00	US	7/16/2009	OTH	Advertising Based on a Dynamic Ad Taxonomy	12/504,095	UTL	ABANDONED	7/16/2009		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04538US00	US	10/2/2008	OTH	System And Methodology For Recommending Purchases For A Shopping Intent	12/244,121	UTL	ABANDONED	10/2/2008		
Y04534US00	US	5/16/2008	OTH	Web Embedded Language Input Arrangement	12/122,430	UTL	ABANDONED	5/16/2008		
Y04532US00	US	9/22/2008	OTH	Smart Content Presentation	12/235,337	UTL	ABANDONED	9/22/2008		
Y04530US00D1	US	5/12/2008	OTH	Computer User Interface	29/318,056	DES	ISSUED	5/12/2008	9/21/2010	D624089
Y04527US00	US	12/10/2008	OTH	Fault Tolerant Update Propagation To Views	12/331,737	UTL	ABANDONED	12/10/2008		
Y04526US00	US	8/20/2008	OTH	Controlled Parallel Propagation of View Table Updates in Distributed Database System	12/195,329	UTL	ABANDONED	8/20/2008		
Y04521US00	US	8/29/2008	OTH	System and method for providing a graphical user interface for prediction markets	12/201,526	UTL	ABANDONED	8/29/2008		
Y04519US02	US	11/4/2008	OTH	Real-Time Distribution of Targeted Advertisement and Sponsored Content	12/264,520	UTL	ABANDONED	11/4/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04519US01	US	11/4/2008	OTH	Real-Time Distribution of Targeted Advertisement and Sponsored Content	12/264,507	UTL	ABANDONED	11/4/2008		
Y04519US00	US	11/4/2008	OTH	Real-Time Distribution of Targeted Advertisement and Sponsored Content	12/264,479	UTL	ABANDONED	11/4/2008		
Y04514US00	US	7/28/2008	OTH	Web Page Serving Architecture	12/181,245	UTL	ABANDONED	7/28/2008		
Y04506US00	US	8/14/2008	OTH	Audience Manager and Data Exchange	12/191,498	UTL	ABANDONED	8/14/2008		
Y04501US00	US	9/30/2008	OTH	System and Method for Context Enhanced Ad Creation	12/242,656	UTL	ABANDONED	9/30/2008		
Y04499US00	US	9/25/2008	OTH	Interest Manager	12/237,982	UTL	ABANDONED	9/25/2008		
Y04496US00	US	9/30/2008	OTH	Systems And Methods For Providing Constraint-Based Advertising	12/241,478	UTL	ABANDONED	9/30/2008		
Y04495US00	US	8/6/2008	OTH	Tracking Market-Share Trends Based on User Activity	12/187,236	UTL	ABANDONED	8/6/2008		
Y04493US00	US	9/22/2008	OTH	System And Method For Acquiring And Distributing Advertisement Impressions	12/234,752	UTL	ABANDONED	9/22/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04491US00	US	2/13/2009	OTH	Method and System for Providing Popular Content	12/370,860	UTL	ABANDONED	2/13/2009		
Y04488US00	US	8/8/2008	OTH	Real-Time Ad-Hoc Spam Filtering of Email	12/188,612	UTL	ISSUED	8/8/2008	11/29/2011	8,069,128
Y04485US01	US	9/29/2008	OTH	System for Associating Data Items with Context	12/239,982	UTL	ABANDONED	9/29/2008		
Y04479US00	US	9/25/2008	OTH	System and Method for Aggregating a List of Top Ranked Objects from Ranked Combination Lists Using an Early Termination Algorithm	12/238,401	UTL	ABANDONED	9/25/2008		
Y04476US00	US	6/27/2008	OTH	System and Method for Correlating Online Advertisements	12/163,114	UTL	ABANDONED	6/27/2008		
Y04475US00	US	8/6/2008	OTH	Method and System for Dynamically Updating Online Advertisements	12/187,324	UTL	ABANDONED	8/6/2008		
Y04473US00	US	7/28/2008	OTH	System for Providing Search Services over Mobile Messaging	12/180,782	UTL	ABANDONED	7/28/2008		
Y04470US00	US	1/16/2009	CIP	System and Method for an Extensible Media Player	12/355,661	UTL	ABANDONED	10/17/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04468US00D1	US	11/14/2008	OTH	Computer User Interface	29/327,852	DES	ISSUED	11/14/2008	3/9/2010	D611490
Y04466US00	US	10/1/2008	OTH	Method and System for Providing Personalized Web Experience	12/243,910	UTL	ABANDONED	10/1/2008		
Y04460US00	US	7/25/2008	OTH	Synchronous Replication For Fault Tolerance	12/180,364	UTL	ABANDONED	7/25/2008		
Y04459US00	US	5/30/2008	OTH	Placement Pricing In A Networked Advertising Environment	12/130,422	UTL	ABANDONED	5/30/2008		
Y04447US00	US	8/7/2008	OTH	Method For Generating Score-Optimal R-Trees	12/188,169	UTL	ABANDONED	8/7/2008		
Y04446US00	US	7/25/2008	OTH	Real-Time Inventory Tracking Via Mobile Device	12/180,052	UTL	ABANDONED	7/25/2008		
Y04445US00	US	3/19/2009	OTH	Method And Apparatus For Associating Advertising With Computer Enabled Maps	12/407,690	UTL	ABANDONED	3/19/2009		
Y04439US00	US	9/30/2008	OTH	System for Assembling and Providing Problem Solving Frameworks	12/242,314	UTL	ABANDONED	9/30/2008		
Y04434US00	US	5/30/2008	OTH	System For Displaying Inventory Search Parameters For An Advertiser	12/130,667	UTL	ABANDONED	5/30/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04432US00	US	9/29/2008	OTH	System for Providing Feeds for Entities not Associated with Feed Services	12/239,972	UTL	ABANDONED	9/29/2008		
Y04431US00	US	9/30/2008	OTH	System for Detecting User Input Error	12/242,334	UTL	ABANDONED	9/30/2008		
Y04430US00	US	8/27/2008	OTH	Interaction with desktop and online corpus	12/199,635	UTL	ABANDONED	8/27/2008		
Y04429US00	US	5/30/2008	OTH	System For Displaying A Position Viewer For Previewing The Display Of An Advertisement	12/130,689	UTL	ABANDONED	5/30/2008		
Y04428US00	US	9/29/2008	OTH	Methods and Systems for Optimizing Webpage Content Based on a Screen Orientation of a Device	12/240,323	UTL	ABANDONED	9/29/2008		
Y04423US00	US	7/9/2008	OTH	Transfer Learning Methods and Apparatuses for Establishing Additive Models for Related-Task Ranking	12/170,296	UTL	ABANDONED	7/9/2008		
Y04417US00	US	5/15/2008	OTH	Monetization of Offline-Interface Events Operating on Ads Distributed Through Advertising Networks	12/121,163	UTL	ABANDONED	5/15/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04414US00	US	7/25/2008	OTH	Fair Allocation of Overlapping Inventory	12/180,424	UTL	ABANDONED	7/25/2008		
Y04412US01D1	US	8/21/2008	OTH	Fantasy Sports Confidence Scores	29/323,284	DES	ISSUED	8/21/2008	5/18/2010	D615,885
Y04412US00	US	10/21/2008	OTH	Fantasy Sports Confidence Scores	12/255,597	UTL	ISSUED	10/21/2008	11/15/2011	8,057,291
				Techniques for Input Recognition and Completion						
Y04400US01	US	7/31/2008	FCA	Techniques For Input Recognition And Completion	12/183,918	UTL	ABANDONED	4/1/2008		
Y04400US00	US	4/1/2008	OTH	Completion	61/041,525	PRV	CONV PRV	4/1/2008		
Y04398US00	US	9/5/2008	OTH	Feed Processing	12/204,805	UTL	ABANDONED	9/5/2008		
				Monitizing Page Views On An Exchange Using Futures Contracts						
Y04397US00	US	8/17/2009	OTH		12/542,298	UTL	ABANDONED	8/17/2009		
				Method and System for Utilizing Web Document Layout and Presentation to Improve User Experience in Web Search						
Y04393US00	US	6/26/2008	OTH		12/147,338	UTL	ABANDONED	6/26/2008		
Y04391US06D7	US	3/22/2008	OTH	Computer User Interface	29/305,541	DES	ISSUED	3/22/2008	4/14/2009	D590,414
Y04391US05D6	US	3/22/2008	OTH	Computer User Interface	29/305,540	DES	ISSUED	3/22/2008	8/25/2009	D598,929
Y04391US04D5	US	3/22/2008	OTH	Computer User Interface	29/305,539	DES	ISSUED	3/22/2008	4/7/2009	D589,971
Y04391US03D4	US	3/22/2008	OTH	Computer User Interface	29/305,538	DES	ISSUED	3/22/2008	4/7/2009	D589,970
Y04391US02D3	US	3/22/2008	OTH	Computer User Interface	29/305,537	DES	ISSUED	3/22/2008	5/19/2009	D592,675

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04391US01D2	US	3/22/2008	OTH	Computer user interface for a display screen	29/305,536	DES	ISSUED	3/22/2008	3/17/2009	D588,604
Y04391US00D9	US	7/8/2008	OTH	Computer User Interface	29/320,981	DES	ISSUED	3/22/2008	2/9/2010	D609716
Y04391US00D8	US	7/8/2008	OTH	Computer User Interface	29/320,980	DES	ISSUED	3/22/2008	2/2/2010	D609242
Y04391US00D10	US	7/8/2008	OTH	Computer User Interface	29/320,982	DES	ISSUED	3/22/2008	8/4/2009	D597552
Y04391US00D1	US	3/22/2008	OTH	Computer User Interface	29/305,535	DES	ISSUED	3/22/2008	4/14/2009	D590,413
Y04383US00	US	6/28/2008	OTH	System and Method Using a Streaming Captcha for Online Verification	12/164,040	UTL	ABANDONED	6/28/2008		
Y04380US00	US	9/26/2008	OTH	Personalized User Authentication Process	12/238,694	UTL	ABANDONED	9/26/2008		
Y04376US00	US	11/5/2008	OTH	Roofop Indicators For Online Maps	12/265,382	UTL	ABANDONED	11/5/2008		
Y04375US02	US	7/30/2008	FCA	Social Aspects of Content Aggregation, Syndication, Sharing, and Updating	12/182,756	UTL	ISSUED	3/3/2008	10/4/2011	8,032,510
Y04375US01	US	7/30/2008	FCA	Mechanisms for Content Aggregation, Syndication, Sharing, and Updating	12/182,715	UTL	PUBLISHED	3/3/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04375US00	US	3/3/2008	OTH	ONEPLACE CONTENT AGGREGATION, SYNDICATION, SHARING, AND UPDATING	61/068,086	PRV	CONV PRV	3/3/2008		
Y04366US00	US	9/15/2008	OTH	Reliability For Instant Messaging Based on End Point Acknowledgements	12/211,076	UTL	ABANDONED	9/15/2008		
Y04362US00	US	6/26/2008	OTH	Method and Apparatus for Mapping Unknown Information in Real or Virtual Worlds	12/146,954	UTL	ABANDONED	6/26/2008		
Y04361US00	US	5/12/2008	OTH	Targeting of Advertisements To A Network Content Provider	12/119,483	UTL	ABANDONED	5/12/2008		
Y04350US00	US	8/30/2008	OTH	System and Method for Online Advertising Using User Social Information	12/202,246	UTL	ABANDONED	8/30/2008		
Y04349US00	US	8/28/2008	OTH	Multiple Views for Web Applications Across Multiple Endpoints	12/200,545	UTL	ABANDONED	8/28/2008		
Y04347US00D1	US	5/5/2008	OTH	COMPUTER USER INTERFACE	29/317,719	DES	ISSUED	5/5/2008	8/17/2010	D621850
Y04341US00	US	4/28/2008	OTH	Handling Cross-Domain Web Service Calls	12/110,499	UTL	ABANDONED	4/28/2008		
Y04337US00	US	7/18/2008	OTH	Dynamic Content Layout	12/175,771	UTL	ABANDONED	7/18/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04334US00	US	3/31/2008	OTH	Online Fixed-Position Advertisement Reservation at Fixed Price and Duration	12/059,462	UTL	ABANDONED	3/31/2008		
Y04333US00	US	4/29/2008	OTH	Electronic Bill Process Automation	12/111,806	UTL	ABANDONED	4/29/2008		
Y04329US00	US	6/26/2008	OTH	Playful Incentive for Labeling Content	12/147,342	UTL	ABANDONED	6/26/2008		
Y04327US00	US	3/23/2009	OTH	Tool For Embedding Comments For Objects In An Article	12/409,344	UTL	ISSUED	3/23/2009	10/13/2015	9,159,074
Y04326US00D1	US	6/16/2008	OTH	Graphical user interface for a display screen	29/319,816	DES	ISSUED	6/16/2008	8/24/2010	D622,280
Y04325US00	US	4/18/2008	OTH	Optimizing ranking functions using click data	12/106,226	UTL	ABANDONED	4/18/2008		
Y04323US00	US	6/6/2008	OTH	Adaptive File Placement in a Distributed File System	12/135,095	UTL	ABANDONED	6/6/2008		
Y04315US00	US	7/31/2008	OTH	System and Method for Applying Once a Transaction Delivered in a Message Published Asynchronously in a Distributed Database	12/184,200	UTL	ABANDONED	7/31/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04313US00	US	9/10/2008	OTH	System, Method, and Apparatus for Video Fingerprinting	12/208,186	UTL	ISSUED	9/10/2008	4/16/2013	8,422,731
Y04307US00	US	5/20/2008	OTH	Method and System for Displaying Advertisement Listings in a Sponsored Search Environment	12/124,099	UTL	ABANDONED	5/20/2008		
Y04304US00	US	5/8/2008	OTH	Method and Apparatus for Inferring Topics for Web Pages and Web Ads for Contextual Advertising	12/117,329	UTL	ABANDONED	5/8/2008		
Y04302US00	US	7/28/2008	OTH	Allocation and Pricing of Information Distortion for Specifying a Display	12/181,209	UTL	ABANDONED	7/28/2008		
Y04299US00	US	5/7/2008	OTH	Web page Layout Optimization Using Section Importance	12/116,825	UTL	ABANDONED	5/7/2008		
Y04297US00	US	1/13/2009	OTH	Media Object Metadata Engine Configured To Determine Relationships Between Persons And Brands	12/353,086	UTL	ABANDONED	1/13/2009		
Y04295US00	US	11/12/2008	OTH	Query Difficulty Estimation	12/269,732	UTL	ABANDONED	11/12/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04294US00	US	5/13/2008	OTH	Method and Apparatus for Better Web Ad Matching by Combining Relevance with Consumer Click Feedback	12/120,038	UTL	ABANDONED	5/13/2008		
Y04292US00	US	11/13/2008	OTH	System and Method for Representative Allocation and Pricing of Impression Segments of Online Advertisement Impressions for Advertising Campaigns	12/270,727	UTL	ABANDONED	11/13/2008		
Y04287US00	US	11/11/2008	OTH	Real-Time Validation System for Transactions	12/268,943	UTL	ABANDONED	11/11/2008		
Y04285US00	US	6/6/2008	OTH	Community-Based Task Valuation System and Method	12/134,430	UTL	ABANDONED	6/6/2008		
Y04279US00	US	4/14/2009	OTH	Processing an Event Stream for a Data Pipeline	12/423,491	UTL	ABANDONED	4/14/2009		
Y04274US00	US	5/23/2008	OTH	Ordering Relevant Content By Time For Determining Top Picks	12/126,797	UTL	ABANDONED	5/23/2008		
Y04271US00	US	6/16/2008	OTH	Targeted Advertising	12/140,159	UTL	ABANDONED	6/16/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04264US00	US	5/2/2008	OTH	Search Engine To Broker Advertiser With Publisher	12/114,112	UTL	ABANDONED	5/2/2008		
Y04262US00	US	6/5/2008	OTH	Computing Platform for Structured Data Processing	12/133,965	UTL	ABANDONED	6/5/2008		
Y04253US00	US	3/23/2009	OTH	System and Method for Resolving Network Addresses	12/409,339	UTL	ABANDONED	3/23/2009		
Y04252US00	US	6/19/2008	OTH	Quality-Based Online Advertisement Trading System	12/142,346	UTL	ABANDONED	6/19/2008		
Y04246US00	US	6/4/2008	OTH	System and Method for Determining Spam	12/132,777	UTL	ISSUED	6/4/2008	8/3/2010	7,769,815
Y04245US00	US	12/19/2008	OTH	Virtualized Real World Advertising System	12/340,524	UTL	ABANDONED	12/19/2008		
Y04243US00	US	11/26/2008	OTH	Digital Images of Web Pages	12/324,607	UTL	ABANDONED	11/26/2008		
Y04240US00	US	9/25/2008	OTH	Building a Topic Based Webpage Based on Algorithmic and Community Interactions	12/238,234	UTL	ABANDONED	9/25/2008		
Y04238US00	US	5/15/2008	OTH	Method and Apparatus for Utilizing Social Network Information for Showing Reviews	12/121,593	UTL	ISSUED	5/15/2008	3/26/2013	8,407,286

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04234US02	US	6/9/2014	CON	System and Method for Message Clustering	14/299,781	UTL	PUBLISHED	1/6/2008		
Y04234US01	US	6/24/2008	FCA	System and Method for Message Clustering	12/145,145	UTL	ISSUED	1/6/2008	6/24/2014	8,762,285
Y04234US00	US	1/6/2008	OTH	System and Method for Message Clustering	61/019,276	PRV	CONV PRV	1/6/2008		
Y04232US01	US	2/11/2008	FCA	Identifying And Employing Social Network Relationships	12/069,731	UTL	ISSUED	1/4/2008	2/10/2015	8,954,500
Y04232US00	US	1/4/2008	OTH	IDENTIFYING AND EMPLOYING LATENT SOCIAL NETWORK RELATIONSHIPS	61/019,215	PRV	CONV PRV	1/4/2008		
Y04229US00	US	5/23/2008	OTH	System, Method, and Apparatus for Selecting One or More Representative Images	12/126,801	UTL	ISSUED	5/23/2008	6/25/2013	8,472,705
Y04226US00	US	8/7/2008	OTH	Systems and methods for finding high quality content in social media	12/187,580	UTL	ABANDONED	8/7/2008		
Y04225US00	US	6/2/2009	OTH	Finding Iconic Images	12/476,711	UTL	ISSUED	6/2/2009	9/24/2013	8,542,950

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04221US00	US	6/25/2008	OTH	Systems and Methods for Creating an Index to Measure a Performance of Digital Ads as Defined by an Advertiser	12/146,241	UTL	ABANDONED	6/25/2008		
Y04220US00	US	5/6/2008	OTH	Micro-Bucket Testing For Page Optimization	12/116,198	UTL	ISSUED	5/6/2008	2/28/2012	8,126,930
Y04216US00	US	4/15/2008	OTH	System For Partitioning And Pruning of Advertisements	12/103,636	UTL	ABANDONED	4/15/2008		
Y04213US00	US	8/30/2008	OTH	System and method for utilizing time measurements in advertising pricing	12/202,237	UTL	ABANDONED	8/30/2008		
Y04211US00	US	4/18/2008	OTH	System and Method for a User Interface to Navigate a Collection of Tags Labeling Content	12/106,169	UTL	ABANDONED	4/18/2008		
Y04210US00	US	8/11/2008	CEQ	System and Method for Providing Health Enhancement Services	12/189,561	UTL	ABANDONED	8/11/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04209US00	US	7/16/2008	OTH	Language Translator Having an Automatic Input/Output Interface and Method of Using Same	12/174,202	UTL	ABANDONED	7/4/2008		
Y04208US00	US	5/28/2008	CEQ	System and method of providing electronic dictionary services	12/128,125	UTL	ABANDONED	5/20/2008		
Y04207US00	US	4/29/2008	OTH	Hierarchical Recognition Through Semantic Embedding	12/111,500	UTL	ABANDONED	4/29/2008		
Y04206US00D1	US	4/11/2008	OTH	Coupon clipper interface for a display panel	29/306,613	DES	ISSUED	4/11/2008	11/17/2009	D604,306
Y04206US00	US	4/11/2008	OTH	Coupon Clipper	12/101,937	UTL	ABANDONED	4/11/2008		
Y04202US00	US	7/30/2008	OTH	Automatic Generation Of Attribution Information For Research Documents	12/182,727	UTL	ABANDONED	7/30/2008		
Y04196US00	US	9/18/2008	OTH	Registering Advertisements on an Electronic Map	12/233,412	UTL	ABANDONED	9/11/2008		
Y04194US00	US	6/3/2008	OTH	Generating Sharable Recommended And Popular E-Mails	12/132,572	UTL	ISSUED	6/3/2008	5/27/2014	8,738,637

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04193US00	US	6/10/2008	OTH	System, Apparatus, or Method for Enhanced Route Directions	12/136,700	UTL	ABANDONED	6/10/2008		
Y04192US00	US	6/2/2008	CIP	Mobile Language Interpreter With Text To Speech	12/131,865	UTL	ABANDONED	7/27/2005		
Y04189US00	US	6/11/2008	OTH	System and Method for Previewing Search Results	12/137,493	UTL	ABANDONED	6/11/2008		
Y04188US00	US	4/2/2008	OTH	Enhanced Online Advertising Experience	12/061,285	UTL	ABANDONED	4/2/2008		
Y04187US01	US	7/11/2016	CON	Using Location-Based Request Data For Identifying Beacon Locations	15/206,343	UTL	ISSUED	3/4/2008	11/7/2017	9,813,870
Y04187US00	US	3/4/2008	OTH	Using Location-Based Request Data For Identifying Beacon Locations	12/042,218	UTL	ISSUED	3/4/2008	7/12/2016	9,392,572
Y04184US00	US	6/13/2008	OTH	Personal Travel Organizer and Online Travelogue	12/139,326	UTL	ABANDONED	6/13/2008		
Y04183US00	US	4/4/2008	OTH	Hybrid Term and Document-Based Indexing for Search Query Resolution	12/098,376	UTL	ABANDONED	4/4/2008		
Y04179US03	US	5/17/2017	CON	Data Access Based on Content of Image Recorded by a Mobile Device	15/597,621	UTL	PUBLISHED	5/15/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04179US02	US	10/4/2016	CON	Data Access Based on Content of Image Recorded by a Mobile Device	15/284,607	UTL	ISSUED	5/15/2008	5/30/2017	9,665,596
Y04179US01	US	3/25/2013	CON	Data Access Based on Content of Image Recorded by a Mobile Device	13/849,968	UTL	ISSUED	5/15/2008	11/1/2016	9,483,499
Y04179US00	US	5/15/2008	OTH	Data Access Based On Content Of Image Recorded By A Mobile Device	12/121,259	UTL	ISSUED	5/15/2008	3/26/2013	8,406,531
Y04166US00	US	3/28/2008	OTH	Method and System for Determining Whether a Computer User is Human	12/058,420	UTL	ABANDONED	3/28/2008		
Y04164US00	US	4/16/2008	OTH	Predicting News-Worthy Queries Using Combined Online and Offline Models	12/104,111	UTL	ABANDONED	4/16/2008		
Y04163US00	US	2/22/2008	OTH	Boosting extraction accuracy by handling training data bias	12/036,079	UTL	ABANDONED	2/22/2008		
Y04160US00	US	5/22/2008	OTH	Method, Apparatus and System for Collecting, Receiving, and Distributing Information From Multiple Channels	12/125,895	UTL	ABANDONED	5/22/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04159US00	US	5/1/2008	OTH	Apparatus and Methods for Detecting Adult Videos	12/113,835	UTL	ISSUED	5/1/2008	1/22/2013	8,358,837
Y04157US00	US	4/2/2008	OTH	Pricing Combinatorial Prediction Markets by Sampling	12/061,062	UTL	ABANDONED	4/2/2008		
Y04152US00	US	4/17/2008	OTH	Content Fingerprinting for Video and/or Image	12/105,170	UTL	ABANDONED	4/17/2008		
Y04149US00	US	2/10/2009	OTH	Using Specificity Measures to Rank Documents	12/368,932	UTL	ABANDONED	2/10/2009		
Y04146US00	US	6/24/2008	OTH	Method and Apparatus for Presenting Navigation Information	12/145,447	UTL	ABANDONED	6/24/2008		
Y04145US00	US	1/31/2008	OTH	System and method for utilizing tiles in a search results page	12/023,925	UTL	ABANDONED	1/31/2008		
Y04142US02	US	5/7/2008	OTH	Systems and Methods for Building a Prediction Model to Predict a Degree of Relevance Between Digital Ads and a Search Query or Webpage Content	12/116,747	UTL	ABANDONED	5/7/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04142US01	US	5/7/2008	OTH	Systems and Methods for Predicting a Degree of Relevance Between Digital Ads and Webpage Content	12/116,737	UTL	ABANDONED	5/7/2008		
Y04142US00	US	5/7/2008	OTH	Systems and Methods for Predicting a Degree of Relevance Between Digital Ads and a Search Query	12/116,710	UTL	ABANDONED	5/7/2008		
Y04140US00	US	5/1/2008	OTH	Method For Media Fingerprinting	12/113,893	UTL	ISSUED	5/1/2008	6/10/2014	8,752,185
Y04139US00	US	2/28/2008	OTH	Method and System of Using Commodity Databases in Internet Search Advertising	12/039,537	UTL	ABANDONED	2/28/2008		
Y04138US00	US	6/11/2008	OTH	Non-Mouse Computer Input Method And Apparatus	12/137,478	UTL	ABANDONED	6/11/2008		
Y04136US00	US	6/25/2008	OTH	Optimizing with Normalized Impressions	12/146,211	UTL	ABANDONED	6/25/2008		
Y04135US00D1	US	3/6/2008	OTH	Graphical User Interface Bar	29/304,741	DES	ISSUED	3/6/2008	11/3/2009	D603420
Y04134US00	US	6/25/2008	OTH	Systems and Methods for Utilizing Assist Data to Optimize Digital Ads	12/146,153	UTL	ABANDONED	6/25/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04133US00	US	6/28/2008	OTH	System and Method for Disambiguating Text Labeling Content Objects	12/164,039	UTL	ABANDONED	6/28/2008		
Y04132US00	US	2/15/2008	OTH	METHODS AND SYSTEMS FOR MAINTAINING PERSONAL DATA TRUSTS	12/031,993	UTL	ABANDONED	2/15/2008		
Y04131US00	US	6/27/2008	OTH	Using Currency in Online Fantasy Sports Games	12/163,754	UTL	ISSUED	6/27/2008	11/8/2011	8,052,521
Y04130US00	US	3/27/2008	OTH	System and Method for Query Substitution for Sponsored Search	12/056,703	UTL	ABANDONED	3/27/2008		
Y04129US00	US	4/3/2008	OTH	Ad Matching by Augmenting a Search Query With Knowledge Obtained through Search Engine Results	12/062,271	UTL	ABANDONED	4/3/2008		
Y04128US00D2	US	3/4/2009	DIV	Graphical User Interface for Displaying Content Selections on a Display Panel	29/333,228	DES	ISSUED	12/27/2007	5/17/2011	D638,025
Y04128US00D1	US	12/27/2007	OTH	Graphical User Interface For Displaying Content Selections on a Display Panel	29/299,467	DES	ISSUED	12/27/2007	4/14/2009	D590,412
Y04120US00	US	2/27/2008	OTH	Optimizing Query Rewrites for Keyword-Based Advertising	12/038,259	UTL	ABANDONED	2/27/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04119US01	US	11/22/2011	CON	System to Compile Landmark Image Search Results	13/302,271	UTL	ISSUED	5/23/2008	10/27/2015	9,171,231
Y04119US00	US	5/23/2008	OTH	System to Compile Landmark Image Search Results	12/126,387	UTL	ISSUED	5/23/2008	12/27/2011	8,086,048
Y04114US00	US	5/5/2008	OTH	Method for Efficiently Building Compact Models for Large Multi- Class Text Classification	12/115,486	UTL	ABANDONED	5/5/2008		
Y04113US00	US	4/24/2009	OTH	System and Method for Recommending Personalized Identifiers	12/429,950	UTL	ABANDONED	4/24/2009		
Y04112US00	US	3/14/2008	OTH	Fast subset discovery over a large amount of sets	12/049,104	UTL	ABANDONED	3/14/2008		
Y04111US00	US	3/14/2008	OTH	Multi-term search result with unsupervised query segmentation method and apparatus	12/048,715	UTL	ABANDONED	3/14/2008		
Y04109US00	US	3/18/2008	OTH	Method and Apparatus for Sharing Data Using an Exchange Procedure in a Network	12/050,756	UTL	ABANDONED	3/18/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04108US00	US	2/28/2008	OTH	Measurement of the Effectiveness of Advertisement Displayed on Web Pages	12/039,564	UTL	ABANDONED	2/28/2008		
Y04105US00	US	3/14/2008	OTH	Search Query	12/048,792	UTL	ABANDONED	3/14/2008		
Y04103US00	US	3/31/2008	OTH	Name Verification Using Machine Learning	12/060,154	UTL	ABANDONED	3/31/2008		
Y04099US00	US	7/31/2008	OTH	Advertisement Selection For Internet Search And Content Pages	12/183,221	UTL	ABANDONED	7/31/2008		
Y04097US00	US	3/26/2008	OTH	Dynamic Contextual Shortcuts	12/056,172	UTL	ISSUED	3/26/2008	4/8/2014	8,694,887
Y04096US00	US	2/15/2008	OTH	Real-Time Data Collection Via Hierarchical Web Page Parsing	12/032,381	UTL	ABANDONED	2/15/2008		
Y04093US00	US	4/11/2008	OTH	Interactive Advertisements	12/101,469	UTL	ABANDONED	4/11/2008		
Y04092US00	US	5/28/2008	OTH	Media/Tag-Based Word Games	12/128,278	UTL	ABANDONED	5/28/2008		
Y04086US00	US	4/8/2008	OTH	Method And System For Presenting Advertisements Targeted at Passersby	12/099,736	UTL	ABANDONED	4/8/2008		
Y04082US00	US	5/16/2008	OTH	Search results with word or phrase index	12/122,139	UTL	ABANDONED	5/16/2008		
Y04081US00	US	5/15/2008	OTH	Search Results with Most Clicked Next Objects	12/120,993	UTL	ABANDONED	5/15/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04080US00	US	5/22/2008	OTH	Parameterized search context interface	12/125,445	UTL	ABANDONED	5/22/2008		
Y04079US00	US	5/21/2008	OTH	Aggregating and sharing keys of web pages over page viewers	12/124,959	UTL	ABANDONED	5/21/2008		
Y04075US00	US	1/22/2008	OTH	SYSTEM AND METHOD FOR PRESENTING SUPPLEMENTAL INFORMATION IN WEB AD	12/017,828	UTL	ABANDONED	1/22/2008		
Y04072US00	US	3/31/2008	OTH	Advertisements on Demand	12/060,145	UTL	ABANDONED	3/31/2008		
Y04071US00	US	6/11/2008	OTH	System and Method for Using Contextual Sections of Web Page Content for Serving Advertisements in Online Advertising	12/137,477	UTL	ABANDONED	6/11/2008		
Y04070US00	US	1/18/2008	OTH	Security and Authentications in Peer-to-Peer Networks	12/016,582	UTL	ABANDONED	1/18/2008		
Y04069US01	US	5/27/2011	CON	Real Time Expert Dialog Service	13/117,869	UTL	ABANDONED	5/22/2008		
Y04068US00	US	2/20/2008	OTH	Blocking of Spoofed E-Mail	12/034,602	UTL	ISSUED	2/20/2008	2/19/2013	8,381,262
Y04064US00	US	2/22/2008	OTH	Reporting On Spoofed E-Mail	12/035,941	UTL	ISSUED	2/22/2008	5/24/2011	7,950,047
Y04063US00	US	3/19/2008	OTH	Automated Collection of Human-Reviewed Data	12/051,608	UTL	ABANDONED	3/19/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04059US00	US	1/31/2008	OTH	Group Decision Making Mechanism	12/023,881	UTL	ABANDONED	1/31/2008		
Y04055US00	US	2/14/2008	OTH	Method to Simulate A/B Bucket Tests from Web Logs	12/031,613	UTL	ISSUED	2/14/2008	11/8/2011	8,055,470
Y04053US01	US	10/3/2011	CON	Universal Device Identifier For Globally Identifying And Binding Disparate Device Identifiers To The Same Mobile Device	13/251,963	UTL	ISSUED	5/30/2008	5/20/2014	8,732,205
Y04053US00	US	5/30/2008	OTH	Universal Device Identifier For Globally Identifying And Binding Disparate Device Identifiers To The Same Mobile Device	12/130,939	UTL	ISSUED	5/30/2008	10/11/2011	8,037,097
Y04043US00	US	1/11/2008	OTH	System And Method For Serving Advertisements According To Network Traffic	12/013,381	UTL	ABANDONED	1/11/2008		
Y04042US00	US	1/18/2008	OTH	Search Summary Result Evaluation Model Methods and Systems	12/016,510	UTL	ABANDONED	1/18/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04039US00	US	2/21/2008	OTH	Method and Apparatus For Behavioral and Contextual Ad Targeting Based on User Calendar Data	12/035,319	UTL	ABANDONED	2/21/2008		
Y04037US00	US	2/19/2008	OTH	System and Method for Asynchronous Update of Indexes in a Distributed Database	12/070,607	UTL	ABANDONED	2/19/2008		
Y04034US00	US	4/7/2008	OTH	System and Method for Optimizing Online Keyword Auctions Subject to Budget and Estimated Query Volume Constraints	12/099,055	UTL	ABANDONED	4/7/2008		
Y04029US00	US	11/14/2008	OTH	System and Method for Determining Search Terms for Use in Sponsored Searches	12/271,494	UTL	ABANDONED	11/14/2008		
Y04024US00	US	3/12/2008	OTH	Method and System for Securely Streaming Content	12/047,112	UTL	ISSUED	3/12/2008	10/8/2013	8,555,367
Y04023US00	US	1/2/2008	OTH	Personals Ad Profile Secret Photo Verification Process	11/968,584	UTL	ABANDONED	1/2/2008		
Y04020US00D1	US	11/21/2007	OTH	Display of Fantasy Sports Player Transaction Data	29/293,425	DES	ISSUED	11/21/2007	6/9/2009	D594012

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y04020US00	US	12/18/2007	OTH	Real-time display of fantasy sports player transaction data	11/959,378	UTL	ISSUED	12/18/2007	1/22/2013	8,357,044
Y04019US00D1	US	11/21/2007	OTH	Display Panel for Display of Fantasy Sports Team Roster Data Trends	29/293,437	DES	ISSUED	11/21/2007	6/16/2009	D594,464
Y04019US00	US	12/18/2007	OTH	Visual Display of Fantasy Sports Team Starting Roster Data Trends	11/959,442	UTL	ISSUED	12/18/2007	11/4/2014	8,876,607
Y04018US00	US	12/24/2007	OTH	Stateless Proportionally Consistent Addressing Search Techniques for Chat Content	11/963,937	UTL	ABANDONED	12/24/2007		
Y04013US00	US	12/20/2007	OTH		11/961,890	UTL	ABANDONED	12/20/2007		
Y04007US00	US	9/28/2007	OTH	System and Method for Social Programming of Media Sources	11/864,622	UTL	ABANDONED	9/28/2007		
Y03730US00D2	US	7/8/2009	DIV	Graphical User Interface for Displaying Multimedia Content for a Display Screen	29/339,842	DES	ABANDONED	8/29/2008		
Y03730US00D1	US	8/29/2008	NEW	Graphical user interface for displaying multimedia content for a display screen	29/323,780	DES	ISSUED	8/29/2008	10/13/2009	D602,029

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y03671US00	US	2/9/1996	NEW	Optoelectronic device with a coupling between a semiconductor diode laser modulator and two optical glass fibres	08/598,879	UTL	EXPIRED	2/9/1996	4/14/1998	5,740,293
Y03337US04	US	9/14/2012	CON	Systems and Methods for Inserting Ads During Playback of Video Media	13/619,942	UTL	ISSUED	6/11/2007	12/1/2015	9,204,102
Y03337US03	US	6/6/2008	FCA	Systems and Methods for Forecasting Ad Inventory	12/134,589	UTL	ISSUED	6/11/2007	11/20/2012	8,316,392
Y03337US02	US	6/6/2008	FCA	Systems and Methods for Reporting Usage of Dynamically Inserted and Delivered Ads	12/134,577	UTL	PUBLISHED	6/11/2007		
Y03337US01	US	6/6/2008	FCA	Systems and Methods for Inserting Ads During Playback of Video Media	12/134,569	UTL	ISSUED	6/11/2007	11/6/2012	8,307,392
Y03337US00	US	6/11/2007	NEW	Systems and Methods for Inserting Ads During Playback of Video Media	60/943,244	PRV	CONV PRV	6/11/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y03336US06	US	6/29/2006	FCA	Systems and Methods for Controlling the Delivery Behavior of Downloaded Content	11/478,255	UTL	ABANDONED	2/28/2006		
Y03336US05	US	6/29/2006	FCA	Systems and Methods for Single Development Tool of Unified Online and Offline Content Providing a Similar Viewing Experience	11/478,067	UTL	ISSUED	2/28/2006	9/6/2011	8,015,491
Y03336US04	US	6/29/2006	FCA	Systems and Methods for Providing a Similar Offline Viewing Experience of Online Website Content	11/478,066	UTL	ISSUED	2/28/2006	8/16/2011	8,001,471
Y03336US03	US	6/29/2006	FCA	Systems and Methods for Offline Access to Video Content of a Website	11/478,496	UTL	ABANDONED	2/28/2006		
Y03336US02	US	6/29/2006	FCA	Systems and Methods for Storage Shuffling Techniques to Download Content to a File	11/477,891	UTL	ABANDONED	2/28/2006		
Y03336US01	US	6/29/2006	FCA	Downloading a File Over HTTP from Multiple Servers	11/477,894	UTL	ABANDONED	2/28/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y03336US00	US	2/28/2006	NEW	Systems And Methods for Delivering and Managing Media Content Downloaded to a Network Connected Device	60/777,672	PRV	CONV PRV	2/28/2006		
Y03334US00	US	12/30/2003	OTH	System and Method for Delivery of Broadband Content	60/533,713	PRV	CONV PRV	12/30/2003		
Y03333US06	US	2/8/2006	CON	System and Method of Integrating Video Content With Interactive Elements	11/350,392	UTL	ABANDONED	8/8/2003		
Y03333US04	US	2/20/2004	CIP	SYSTEM AND METHOD FOR DELIVERY OF BROADBAND CONTENT	10/708,260	UTL	ABANDONED	8/8/2003		
Y03333US03	US	2/20/2004	CIP	System and Method for Delivery of Broadband Content with Integrated Interactive Elements	10/708,267	UTL	ABANDONED	8/8/2003		
Y03333US01	US	8/8/2003	FCA	System and Method of Integrating Video Content with Interactive Elements	10/637,924	UTL	ABANDONED	8/8/2003		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y03333US00	US	8/8/2003	NEW	System and Method of Integrating Video Content with Interactive Elements	60/493,965	PRV	CONV PRV	8/8/2003		
Y03057US00	US	8/3/2001	OTH	Technique for license management and online software license enforcement	09/921,785	UTL	ABANDONED	3/21/2001		
Y02968US01D2	US	12/19/2007	OTH	Graphical User Interface for Displaying Contacts	29/299,128	DES	ISSUED	12/19/2007	4/14/2009	D590,411
Y02968US00D1	US	12/19/2007	NEW	Graphical user interface for a display panel	29/299,126	DES	ISSUED	12/19/2007	12/29/2009	D607,004
Y02935US01	US	3/7/1997	FCA	Look Ahead Caching Process For Improved Information Retrieval Response Time By Caching Bodies Of Information Before They Are Requested By The User	08/813,544	UTL	EXPIRED	3/8/1996	11/2/1999	5,978,841

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02935US00	US	3/8/1996	NEW	Look Ahead Caching Process For Improved Information Retrieval Response Time By Caching Bodies Of Information Before They Are Requested By The User	60/013,095	PRV	CONV PRV	3/8/1996		
Y02903US00	US	7/3/2007	NEW	Inferring Legitimacy of Web-Based Resource Requests	11/773,004	UTL	ABANDONED	7/3/2007		
Y02902US00	US	7/3/2007	NEW	Data Marketplace & Broker Fees	11/772,965	UTL	ABANDONED	7/3/2007		
Y02901US00	US	2/5/2008	NEW	SYSTEM FOR PROVIDING ADVERTISEMENTS ACROSS MULTIPLE CHANNELS	12/026,522	UTL	ABANDONED	2/5/2008		
Y02900US00	US	3/31/2008	NEW	System for Suggesting Categories of Mobile Keywords to Revenue Generators	12/059,421	UTL	ABANDONED	3/31/2008		
Y02898US00	US	3/31/2008	NEW	System for Adapting Online Advertising Campaigns to Incorporate Mobile Advertising	12/059,325	UTL	ABANDONED	3/31/2008		
Y02897US00	US	3/31/2008	NEW	System for Mobile Advanced Matching	12/059,386	UTL	ABANDONED	3/31/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02895US00	US	2/5/2008	NEW	Mobile Ad Filtering	12/026,531	UTL	ABANDONED	2/5/2008		
Y02894US00	US	2/5/2008	NEW	MULTI-VERSION MOBILE ADVERTISEMENTS	12/026,526	UTL	ABANDONED	2/5/2008		
Y02891US00	US	12/21/2007	NEW	SYSTEM FOR SUGGESTING KEYWORDS BASED ON MOBILE SPECIFIC ATTRIBUTES	11/963,154	UTL	ABANDONED	12/21/2007		
Y02890US00	US	12/21/2007	NEW	APPLICATION PROGRAM INTERFACE AND GRAPHICAL USER INTERFACE FOR EDITORIAL REVIEW OF MOBILE ADVERTISEMENT CAMPAIGNS	11/963,136	UTL	ABANDONED	12/21/2007		
Y02889US00	US	12/21/2007	NEW	APPLICATION PROGRAM INTERFACE AND GRAPHICAL USER INTERFACE FOR PROVIDING A USER INTERFACE FOR TARGETING MOBILE ADVERTISEMENTS IN A MOBILE MARKETING ENVIRONMENT	11/963,114	UTL	ABANDONED	12/21/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02888US00	US	12/21/2007	NEW	Application Program Interface and Graphical User Interface for Distributing an Advertisement Budget in a Mobile Environment	11/963,102	UTL	ABANDONED	12/21/2007		
Y02887US00	US	12/21/2007	NEW	System for Providing a User Interface for Displaying and Creating Advertiser Defined Groups of Mobile Advertisement Campaign Information Targeted to Mobile Carriers	11/963,082	UTL	ABANDONED	12/21/2007		
Y02886US00	US	12/21/2007	NEW	System for serving advertisements targeted to geographic areas over mobile devices	11/963,029	UTL	ABANDONED	12/21/2007		
Y02866US00D1	US	3/6/2008	NEW	Graphical User Interface	29/304,740	DES	ISSUED	3/6/2008	11/3/2009	D603418
Y02855US00	US	7/3/2007	NEW	Inferring Legitimacy of Advertisement Calls	11/772,979	UTL	ABANDONED	7/3/2007		
Y02844US00	US	12/17/2007	OTH	System And Method Of Styling An Embedded Widget	11/958,283	UTL	ABANDONED	12/17/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02841US00	US	12/20/2007	OTH	Scheduling Transient Online Advertisements	11/961,770	UTL	ABANDONED	12/20/2007		
Y02836US00	US	3/19/2008	OTH	Syntactic and/or semantic analysis of uniform resource identifiers	12/051,729	UTL	ABANDONED	3/19/2008		
Y02835US00	US	3/20/2008	OTH	Uniform Resource Identifier Alignment	12/051,956	UTL	ABANDONED	3/20/2008		
Y02834US00	US	12/12/2007	OTH	ANALYZING IMAGES TO DERIVE SUPPLEMENTAL WEB PAGE LAYOUT CHARACTERISTICS	11/955,231	UTL	ABANDONED	12/12/2007		
Y02833US00	US	3/25/2008	CEQ	Site-Specific Information-Type Detection Methods and Systems	12/055,222	UTL	ABANDONED	3/25/2008		
Y02832US00	US	2/15/2008	OTH	Cost-effective image metadata creation using near-duplicate image detection	12/032,521	UTL	ISSUED	2/15/2008	2/7/2012	8,111,912
Y02831US00	US	8/26/2008	CEQ	Document Caching For Multiple Concurrent Workflows	12/198,363	UTL	ABANDONED	8/26/2008		
Y02827US00	US	3/31/2008	OTH	Information Retrieval Using Dynamic Guided Navigation	12/060,069	UTL	ABANDONED	3/31/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02823US01	US	2/22/2010	CON	Generating Document Templates That Are Robust To Structural Variations	12/710,165	UTL	ABANDONED	5/2/2008		
Y02822US00	US	1/23/2008	OTH	Web Document User Experience Characterization Methods and Systems	12/018,661	UTL	ABANDONED	1/23/2008		
Y02821US00	US	12/19/2007	OTH	Automated Content-Based Adjustment of Formatting and Application Behavior	11/960,483	UTL	ABANDONED	12/19/2007		
Y02820US01	US	12/20/2007	OTH	Recommendation System Using Social Behavior Analysis and Vocabulary Taxonomies	11/961,599	UTL	ISSUED	12/20/2007	11/24/2015	9,195,752
Y02820US00	US	12/20/2007	OTH	Social Behavior Analysis and Inferring Social Networks for a Recommendation System	11/961,555	UTL	ISSUED	12/20/2007	12/6/2011	8,073,794
Y02819US00	US	2/13/2008	OTH	Adaptive Sampling of Web Page for Extraction	12/030,301	UTL	ABANDONED	2/13/2008		
Y02815US00	US	6/18/2008	OTH	Framework for aggregating information of web pages from a website	12/141,232	UTL	ABANDONED	6/18/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02812US00	US	12/27/2007	OTH	Techniques For Constructing Sitemap Or Hierarchical Organization Of Webpages Of A Website Using Decision Trees	11/965,320	UTL	ABANDONED	12/27/2007		
Y02811US00	US	5/15/2008	OTH	Systems and Methods for Obfuscating Contact Numbers	12/121,445	UTL	ABANDONED	5/15/2008		
Y02806US00	US	2/27/2008	OTH	Event Communication Platform For Mobile Device Users	12/038,716	UTL	ABANDONED	2/27/2008		
Y02804US00	US	12/19/2007	OTH	Method of Web Ad Monetization Beyond Search Engine	11/960,168	UTL	ABANDONED	12/19/2007		
Y02803US00	US	3/27/2008	OTH	System and Method For Maintenance Of Questions and Answers Through Collaborative and Community Editing	12/056,818	UTL	PUBLISHED	3/27/2008		
Y02796US00	US	3/24/2008	OTH	Method and Apparatus for Automatically Targeting and Modifying Internet Advertisements	12/054,308	UTL	ABANDONED	3/24/2008		
Y02793US00	US	12/27/2007	OTH	Efficient Bulk Load	11/965,714	UTL	ABANDONED	12/27/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02792US00	US	12/21/2007	OTH	Revenue-sharing to incentivize users to reveal online purchasing interests	11/963,595	UTL	ABANDONED	12/21/2007		
Y02791US00	US	7/9/2008	OTH	Web content characterization based on semantic folksonomies associated with user generated content	12/169,761	UTL	ABANDONED	7/9/2008		
Y02790US00D2	US	12/20/2007	OTH	GRAPHICAL USER INTERFACE FOR COMPUTER SCREEN	29/299,268	DES	ISSUED	12/20/2007	3/30/2010	D612860
Y02790US00D1	US	12/20/2007	OTH	GRAPHICAL ICON FOR COMPUTER DISPLAY	29/299,267	DES	ISSUED	12/20/2007	3/3/2009	D587,726
Y02788US00	US	3/24/2008	OTH	Location-Based, Opportunistic Recommendations	12/054,305	UTL	PUBLISHED	3/24/2008		
Y02783US00	US	6/5/2008	OTH	Friendly search and socially augmented search query assistance layer	12/133,673	UTL	ISSUED	6/5/2008	11/8/2011	8,055,673
Y02779US00	US	8/31/2007	NEW	Prediction Engines	11/848,742	UTL	ABANDONED	8/31/2007		
Y02775US00	US	2/8/2008	OTH	System For Refreshing Cache Results	12/028,373	UTL	ABANDONED	2/8/2008		
Y02774US00	US	12/20/2007	OTH	Leader Election	11/961,381	UTL	ABANDONED	12/20/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02773US00	US	2/5/2008	OTH	A System And Method For Generating Subphrase Queries	12/025,947	UTL	ABANDONED	2/5/2008		
Y02771US00	US	2/13/2008	OTH	Apparatus And Methods For Presenting Linking Abstracts For Search Results	12/030,765	UTL	ABANDONED	2/13/2008		
Y02762US00	US	3/31/2008	OTH	System and Method for Offering an Auction Bundle in an Online Advertising Auction	12/060,153	UTL	ABANDONED	3/31/2008		
Y02761US00	US	3/4/2008	OTH	Generating Congruous Metadata for Multimedia	12/042,306	UTL	PUBLISHED	3/4/2008		
Y02759US00	US	4/16/2008	OTH	Methods for Advertisement Display Policy Exploration	12/104,423	UTL	ABANDONED	4/16/2008		
Y02758US00	US	4/16/2008	OTH	Methods for Advertisement Slate Selection	12/104,418	UTL	ABANDONED	4/16/2008		
Y02757US00	US	12/15/2007	NEW	Advanced Ad formats	11/957,425	UTL	ABANDONED	12/15/2007		
Y02755US00	US	2/28/2008	OTH	Method To Tag Advertiser Campaigns To Enable Segmentation Of Underlying Inventory	12/039,566	UTL	ABANDONED	2/28/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02754US00	US	4/1/2008	OTH	System and Method for Detecting the Sensitivity of Web Page Content for Serving Advertisements in Online Advertising	12/060,819	UTL	ABANDONED	4/1/2008		
Y02753US00	US	3/27/2008	OTH	Bundling Of Query-Related Context For Sponsored Search	12/057,081	UTL	ABANDONED	3/27/2008		
Y02751US00	US	9/26/2008	OTH	System and method for updating the status of an asynchronous, idempotent message channel	12/239,358	UTL	ABANDONED	9/26/2008		
Y02749US00	US	12/28/2007	OTH	Streaming Multiple Videos In A Playlist	11/966,748	UTL	ABANDONED	12/28/2007		
Y02748US00	US	9/17/2008	OTH	Method and System for Enabling Access to a Web Service Provider Through Login Based Badges Embedded in a Third Party Site	12/212,581	UTL	ABANDONED	9/17/2008		
Y02747US01D2	US	9/6/2007	OTH	Graphical User Interface for Computer Screen	29/284,387	DES	ISSUED	9/6/2007	4/28/2009	D,591306
Y02747US00D1	US	9/6/2007	NEW	Graphical User Interface for Computer Screen	29/284,388	DES	ISSUED	9/6/2007	9/29/2009	D601153

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02740US00	US	4/3/2008	OTH	Method and System for Constructing and Delivering Sponsored Search Futures Contracts	12/062,289	UTL	ABANDONED	4/3/2008		
Y02739US00	US	12/6/2007	OTH	Electronic Mail Message Handling and Presentation Methods and Systems	11/951,727	UTL	ABANDONED	12/6/2007		
Y02737US00	US	8/27/2008	OTH	Allowing An Instant Messaging User To Communicate With Other Instant Messaging Users	12/199,553	UTL	ABANDONED	8/27/2008		
Y02735US00	US	2/11/2008	OTH	Real Time Parking Search And Point-To-Point Direction Generator	12/029,243	UTL	ABANDONED	2/11/2008		
Y02734US00	US	12/4/2007	OTH	Methods And Systems For Using Community Bookmark Data To Supplement Internet Search Results	11/950,397	UTL	ABANDONED	12/4/2007		
Y02733US00	US	3/7/2008	OTH	Identifying whether two websites are co-owned	12/044,339	UTL	ABANDONED	3/7/2008		
Y02732US00	US	1/24/2008	OTH	Software Testing and Development Methodology Using Maturity Levels	12/019,358	UTL	ABANDONED	1/24/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02728US00	US	11/20/2007	OTH	Method and/or System for Schema and View Generation	11/943,553	UTL	ABANDONED	11/20/2007		
Y02727US00	US	11/16/2007	OTH	Offline Operations for Online Applications	11/941,746	UTL	ABANDONED	11/16/2007		
Y02718US01	US	3/21/2012	CON	Trust Based Moderation	13/425,863	UTL	ISSUED	11/15/2007	2/21/2017	9,576,253
Y02718US00	US	11/15/2007	OTH	Trust Based Moderation	11/941,009	UTL	ISSUED	11/15/2007	5/1/2012	8,171,388
Y02714US00D1	US	10/2/2007	OTH	Graphical User Interface for Computer Screen	29/295,643	DES	ISSUED	10/2/2007	10/27/2009	D602943
Y02706US00	US	1/28/2008	OTH	Method And System For Mining, Ranking And Visualizing Lexically Similar Search Queries For Advertisers	12/021,105	UTL	ABANDONED	1/28/2008		
Y02705US00	US	11/29/2007	OTH	Method And System of Advertisement Management	11/947,715	UTL	ABANDONED	11/29/2007		
Y02701US00	US	1/31/2007	OTH	Entity Linking In Open Exchange Platforms	11/669,764	UTL	ABANDONED	1/31/2006		
Y02698US00	US	1/31/2007	OTH	Open Exchange Platforms	11/669,716	UTL	ABANDONED	1/31/2006		
Y02697US00	US	1/31/2007	OTH	Global Constraints In Open Exchange Platforms	11/669,711	UTL	ABANDONED	1/31/2006		
Y02696US00	US	1/31/2007	OTH	Open Media Exchange Platforms	11/669,690	UTL	ABANDONED	1/31/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02689US00	US	11/30/2007	CIP	Identifying and Measuring Related Queries	11/948,374	UTL	ABANDONED	2/28/2006		
Y02687US00	US	12/21/2007	OTH	A Method for Market Reserve Price Modeling in an Advanced Match Environment	11/962,582	UTL	ABANDONED	12/21/2007		
Y02680US00	US	11/5/2008	OTH	Avatar Environments	12/265,513	UTL	ABANDONED	11/5/2008		
Y02679US00D4	US	10/9/2008	DIV	Graphical User Interface for Computer Screen	29/326,011	DES	ISSUED	10/2/2007	12/8/2009	D605656
Y02679US00D3	US	10/9/2008	DIV	Graphical User Interface for Computer Screen	29/326,010	DES	ISSUED	10/2/2007	12/8/2009	D605655
Y02679US00D2	US	10/9/2008	DIV	Graphical User Interface for Computer Screen	29/326,009	DES	ISSUED	10/2/2007	12/8/2009	D605654
Y02679US00D1	US	10/2/2007	OTH	Graphical User Interface For Computer Screen	29/295,642	DES	ISSUED	10/2/2007	11/3/2009	D603419
Y02678US00	US	11/15/2007	OTH	Fault-Tolerant Distributed Services Methods and Systems	11/940,723	UTL	ABANDONED	11/15/2007		
Y02676US00	US	2/9/2008	OTH	System and Method for Parallel Retrieval of Data from a Distributed Database	12/069,486	UTL	ABANDONED	2/9/2008		
Y02675US00	US	10/30/2007	OTH	Progressive Captcha	11/929,716	UTL	ABANDONED	10/30/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02673US00	US	10/10/2007	OTH	Differentiated Treatment of Sponsored Search Results Based on Search Context	11/870,008	UTL	ABANDONED	10/10/2007		
Y02670US02	US	3/2/2015	CON	Tag Aggregator	14/635,601	UTL	PUBLISHED	12/19/2007		
Y02670US01	US	1/31/2012	DIV	Tag Aggregator	13/362,777	UTL	ISSUED	12/19/2007	3/3/2015	8,972,850
Y02670US00	US	12/19/2007	OTH	Tag Aggregator	11/960,619	UTL	ISSUED	12/19/2007	3/20/2012	8,140,963
Y02668US00	US	1/23/2008	OTH	Demographics From Behavior	12/011,164	UTL	ABANDONED	1/23/2008		
Y02667US00	US	11/30/2007	OTH	Asynchronously Replicated Database System Using Dynamic Mastership	11/948,221	UTL	ABANDONED	11/30/2007		
Y02664US00	US	11/13/2007	OTH	System and Methods for Generating Diversified Vertical Search Listings	11/938,962	UTL	ABANDONED	11/13/2007		
Y02659US01	US	10/21/2010	CON	Web service multi-key rate limiting method and system	12/908,992	UTL	ABANDONED	12/20/2007		
Y02658US02	US	2/9/2017	CON	Computerized System And Method For Analyzing User Interactions With Digital Content And Providing An Optimized Content Presentation Of Such Digital Content	15/428,681	UTL	PUBLISHED	10/31/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02658US01	US	12/21/2007	FCA	Content Optimization System and Method	11/962,751	UTL	ISSUED	10/31/2007	2/21/2017	9,576,001
Y02658US00	US	10/31/2007	OTH	Content Optimization System and Method	60/984,277	PRV	CONV PRV	10/31/2007		
Y02656US00	US	4/9/2008	OTH	Method for Calculating Score for Search Query	12/099,980	UTL	ABANDONED	4/9/2008		
Y02653US00	US	2/1/2008	OTH	System and Method for Detecting the Source of Media Content with Application to Business Rules	12/024,572	UTL	PUBLISHED	2/1/2008		
Y02648US00	US	9/17/2007	OTH	CUSTOMIZATION OF SEARCH RESULTS	11/856,327	UTL	ABANDONED	9/17/2007		
Y02645US00	US	12/28/2007	OTH	Sports Community Commentary	11/966,072	UTL	ABANDONED	12/28/2007		
Y02644US00	US	12/28/2007	OTH	One-Stop Travel Search	11/966,701	UTL	ABANDONED	12/28/2007		
Y02640US00	US	12/7/2007	OTH	System and Method for Prioritizing Delivery of Communications Via Different Communication Channels	11/952,875	UTL	ABANDONED	12/7/2007		
Y02639US00	US	12/24/2007	OTH	Systems and Methods of Universal Resource Locator Normalization	11/963,925	UTL	ABANDONED	12/24/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02638US00	US	10/10/2007	OTH	System And Method For Setting Bid Prices Associated With Digital Advertisements Based On Market Conditions	11/870,004	UTL	ABANDONED	10/10/2007		
Y02637US01	US	8/17/2011	CON	System and Method For Disambiguating Non-Unique Identifiers Using Information Obtained from Disparate Communication Channels	13/211,950	UTL	ISSUED	12/17/2007	1/7/2014	8,626,694
Y02637US00	US	12/17/2007	OTH	System and Method For Disambiguating Non-Unique Identifiers Using Information Obtained from Disparate Communication Channels	11/958,157	UTL	ISSUED	12/17/2007	4/24/2012	8,166,168
Y02636US00	US	12/6/2007	OTH	System and Method for Synchronizing Data on a Network	11/952,007	UTL	ISSUED	12/6/2007	11/29/2011	8,069,142
Y02630US00	US	10/24/2007	OTH	Method and System for Rendering Simplified Point Finding Maps	11/923,378	UTL	ABANDONED	10/24/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02629US00	US	10/26/2007	OTH	Hierarchical Structure Entropy Measurement Methods and Systems	11/925,355	UTL	ABANDONED	10/26/2007		
Y02626US02	US	2/22/2017	CON	Creating Secure Social Applications with Extensible Types	15/439,132	UTL	PENDING	4/30/2009		
Y02626US01	US	11/10/2009	OTH	Creating Secure Social Applications with Extensible Types	12/615,986	UTL	ISSUED	4/30/2009	3/21/2017	9,600,800
Y02626US00	US	4/30/2009	OTH	Creating Secure Social Applications with Extensible Types	61/174,392	PRV	CONV PRV	4/30/2009		
Y02625US01	US	7/10/2013	CON	Jury System For Use In Online Answers Environment	13/939,114	UTL	ISSUED	12/20/2007	8/26/2014	8,819,158
Y02625US00	US	12/20/2007	OTH	Jury System For Use In Online Answers Environment	11/961,853	UTL	ISSUED	12/20/2007	8/13/2013	8,510,391
Y02622US00	US	11/19/2007	OTH	System and Method for Estimating an Amount of Traffic Associated with a Digital Advertisement	11/942,153	UTL	ABANDONED	11/19/2007		
Y02621US00	US	10/23/2007	OTH	Remote Call Handling Methods and Systems	11/877,417	UTL	ABANDONED	10/23/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02620US00	US	10/26/2007	OTH	OmniDetailed Search Result Aggregator/ Search Universe	11/924,784	UTL	ABANDONED	10/26/2007		
Y02614US00	US	11/8/2007	OTH	System And Method For A Personal Video Inbox Channel	11/936,982	UTL	ISSUED	11/8/2007	3/11/2014	8,671,428
Y02613US00	US	7/16/2007	NEW	SYSTEM FOR REMOTE ACCESS OF SATELLITE MEDIA SERVICES	11/778,484	UTL	ABANDONED	7/16/2007		
Y02612US00	US	7/17/2007	NEW	System for Presenting an Electronic Programming Guide in a Satellite Communication System	11/779,131	UTL	ISSUED	7/17/2007	12/3/2013	8,601,508
Y02610US00	US	8/28/2007	OTH	Constructing A Profile Using Self-Descriptive Images For Use In A Social Environment	11/845,989	UTL	ABANDONED	8/28/2007		
Y02609US00	US	7/10/2007	NEW	SYSTEM FOR CONFIGURING SATELLITE COMMUNICATION SERVICES	11/775,349	UTL	ABANDONED	7/10/2007		
Y02608US01	US	2/28/2011	CON	RATE PROVISIONER FOR WEB SERVICES	13/037,056	UTL	ABANDONED	10/23/2007		
Y02606US00	US	12/13/2007	OTH	System and method for testing a software module	11/955,997	UTL	ABANDONED	12/13/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02603US00	US	10/9/2007	OTH	Interactive Advertisement Framework	11/869,612	UTL	ABANDONED	10/9/2007		
Y02602US00	US	8/23/2007	OTH	Scalable Ticket Generation in a Database System	11/844,292	UTL	ABANDONED	8/23/2007		
Y02601US00	US	9/5/2007	OTH	Distributed Network Processing System including Selective Event Logging	11/850,249	UTL	ABANDONED	9/5/2007		
Y02596US00	US	9/11/2007	OTH	Social Networking Site Including Conversation Thread Viewing Functionality	11/853,760	UTL	ABANDONED	9/11/2007		
Y02590US00	US	11/15/2007	OTH	Video Tag Game	11/941,038	UTL	ABANDONED	11/15/2007		
Y02587US00	US	3/26/2008	OTH	Search Engine Relevance Tuning Based on Instant Messaging (Influence Search Results Using IMs)	12/055,968	UTL	ABANDONED	3/26/2008		
Y02584US00	US	10/16/2007	OTH	Method For Internet-Based Applications To Enable Internet Service Providers To Specify Location Context	11/873,012	UTL	ABANDONED	10/16/2007		
Y02583US01	US	9/22/2016	CON	Computerized System And Method For Automatically Associating Metadata With Media Objects	15/272,739	UTL	PUBLISHED	12/3/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02583US00	US	12/3/2007	OTH	Associating Metadata with Media Objects Using Time	11/949,638	UTL	ISSUED	12/3/2007	10/11/2016	9,465,892
Y02582US00	US	12/21/2007	OTH	System and method for advertiser response system	11/963,107	UTL	ABANDONED	12/21/2007		
Y02581US00	US	10/30/2007	OTH	Federated Search Data Normalization for Rich Presentation	11/930,000	UTL	ABANDONED	10/30/2007		
Y02579US00	US	11/14/2007	OTH	System and method for detecting duplicate content items	11/939,834	UTL	ABANDONED	11/14/2007		
Y02575US00	US	9/19/2007	OTH	Method And System Of Creating A Personalized Homepage	11/858,046	UTL	ABANDONED	9/19/2007		
Y02571US00	US	10/17/2007	OTH	System and Method for an Extensible Media Player	11/874,171	UTL	ABANDONED	10/17/2007		
Y02564US00	US	2/26/2008	OTH	Method And System For Displaying Correlated Advertisements to Internet Users	12/037,685	UTL	ABANDONED	2/26/2008		
Y02560US01	US	10/7/2011	DIV	PAY-PER-ACTION SYSTEM FOR SELLING ADVERTISEMENTS	13/269,221	UTL	PUBLISHED	8/8/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02560US00	US	8/8/2007	OTH	PAY-PER-ACTION SYSTEM FOR SELLING ADVERTISEMENTS	11/835,733	UTL	ISSUED	8/8/2007	11/29/2011	8,069,083
Y02557US02	US	8/23/2012	CON	User Augmented Reality for Camera-Enabled Mobile Devices	13/593,282	UTL	ABANDONED	10/18/2007		
Y02554US00	US	12/4/2007	OTH	System and Method for Contact Management	11/950,250	UTL	ABANDONED	12/4/2007		
Y02546US00	US	10/5/2007	OTH	Method For Admission- Controlled Caching	11/868,396	UTL	ABANDONED	10/5/2007		
Y02543US02	US	9/25/2008	CON	Distributed Live Multimedia Monetization Mechanism and Network	12/238,378	UTL	ABANDONED	9/28/2007		
Y02543US00	US	9/28/2007	OTH	Distributed Live Multimedia Monetization Mechanism and Network	11/864,864	UTL	ABANDONED	9/28/2007		
Y02542US01	US	2/6/2014	CON	Distributed Live Multimedia Switching Mechanism and Network	14/174,840	UTL	PUBLISHED	9/28/2007		
Y02542US00	US	9/28/2007	OTH	DISTRIBUTED LIVE MULTIMEDIA SWITCHING MECHANISM AND NETWORK	11/864,862	UTL	ABANDONED	9/28/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02541US01	US	2/11/2009	CIP	Distributed Automatic Recording of Live Event	12/369,714	UTL	ISSUED	9/28/2007	8/27/2013	8,522,289
Y02541US00	US	9/28/2007	OTH	Distributed Live Multimedia Capture, Feedback Mechanism, and Network	11/864,769	UTL	ISSUED	9/28/2007	8/21/2012	8,250,616
Y02539US00	US	10/5/2007	OTH	System for Selecting Advertisements	11/868,252	UTL	ABANDONED	10/5/2007		
Y02537US00	US	12/31/2007	OTH	System and Method for Online Advertising Driven by Predicting User Interest	12/006,179	UTL	ABANDONED	12/31/2007		
Y02536US00	US	10/3/2007	OTH	Real Time Click (RTC) System	11/866,548	UTL	ABANDONED	10/3/2007		
Y02534US00	US	9/24/2007	OTH	REAL-TIME PRESENCE OF ONLINE CONTACTS	11/860,523	UTL	ABANDONED	9/24/2007		
Y02533US03	US	5/16/2016	CON	Real-Time Asynchronous Event Aggregation Systems	15/155,717	UTL	PUBLISHED	7/6/2007		
Y02533US02	US	5/29/2014	CON	Real-Time Asynchronous Event Aggregation Systems	14/290,072	UTL	ISSUED	7/6/2007	5/24/2016	9,348,788
Y02533US01	US	11/27/2007	CIP	Real-Time Asynchronous Event Aggregation Systems	11/945,911	UTL	ISSUED	7/6/2007	9/30/2014	8,849,909

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02533US00	US	7/6/2007	OTH	DETECTING SPAM MESSAGES USING RAPID SENDER REPUTATION FEEDBACK ANALYSIS	11/774,460	UTL	ISSUED	7/6/2007	5/3/2011	7,937,468
Y02532US00	US	8/29/2007	OTH	Degree of Separation for Media Artifact Discovery	11/897,051	UTL	PUBLISHED	8/29/2007		
Y02529US00	US	11/26/2007	OTH	Method And System of Providing User Augmented Content	11/945,186	UTL	ISSUED	11/26/2007	8/10/2010	7,774,330
Y02528US00	US	9/24/2007	CIP	USER-DEFINED MEDIA ANNOTATIONS ON DYNAMIC CHARTS	11/903,773	UTL	ABANDONED	4/4/2007		
Y02526US00	US	8/16/2007	OTH	Method for Improving Internet Advertising by Intermittently Mixing Advertising with Targeted Content	11/839,924	UTL	ABANDONED	8/16/2007		
Y02521US00	US	8/21/2007	OTH	Method to Display Suggested Keywords in Content Match Ads, then to present more relevant ads	11/842,595	UTL	ABANDONED	8/21/2007		
Y02519US00	US	10/24/2007	OTH	Facilitating Music Collaborations Among Remote Musicians	11/923,367	UTL	ABANDONED	10/24/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02515US00	US	2/7/2008	OTH	Modular Web Crawling Policies and Metrics	12/027,860	UTL	ABANDONED	2/7/2008		
Y02512US00	US	10/17/2007	OTH	MANAGING COMMUNICATIONS WITH GLOBAL APPLICATIONS THROUGH MESSAGE HANDLERS	11/874,062	UTL	ISSUED	10/17/2007	7/2/2013	8,478,899
Y02511US00	US	11/28/2007	OTH	DYNAMICAL ROUTING FOR TEXT MESSAGING	11/946,763	UTL	ISSUED	11/28/2007	5/10/2011	7,941,557
Y02509US00	US	12/10/2007	OTH	Per-User Bandwidth Availability	11/953,582	UTL	ABANDONED	12/10/2007		
Y02505US01	US	7/5/2011	CON	Mobile Authentication Framework	13/176,588	UTL	ISSUED	10/29/2007	3/26/2013	8,407,465
Y02505US00	US	10/29/2007	OTH	Mobile Authentication Framework	11/926,490	UTL	ISSUED	10/29/2007	8/2/2011	7,992,197
Y02503US00	US	10/10/2007	OTH	SELF-MONITORING SYSTEM OF RECIPROCAL BENEFIT	11/870,345	UTL	ABANDONED	10/10/2007		
Y02501US00	US	9/7/2007	OTH	Ranking Content Based on Social Network Connection Strengths	11/851,629	UTL	ABANDONED	9/7/2007		
Y02498US00	US	8/22/2007	OTH	RETRIEVING MOBILE USER CONTEXT INFORMATION USING TOKENIZED VIRTUAL DICTIONARIES	11/843,167	UTL	ABANDONED	8/22/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02497US02	US	2/4/2013	CON	Application Interface for Global Message Delivery	13/758,702	UTL	ABANDONED	10/31/2007		
Y02497US01	US	1/18/2012	CON	Application Interface for Global Message Delivery	13/353,081	UTL	ISSUED	10/31/2007	2/5/2013	8,369,327
Y02497US00	US	10/31/2007	OTH	Application Interface for Global Mobile Message Delivery	11/981,980	UTL	ISSUED	10/31/2007	1/31/2012	8,107,470
Y02496US00	US	10/5/2007	OTH	STOCK VIDEO PURCHASE	11/868,133	UTL	ABANDONED	10/5/2007		
Y02495US00	US	7/20/2007	OTH	Just-in-Time Contextual Advertising Techniques	11/781,184	UTL	ABANDONED	7/20/2007		
Y02494US00	US	10/3/2007	OTH	Animated Data Feeds	11/867,211	UTL	ABANDONED	10/3/2007		
Y02493US00	US	10/23/2007	CIP	Synchronous Delivery of Media Content and Real-Time Communication for Online Dating	11/877,402	UTL	ABANDONED	10/23/2007		
Y02490US00	US	10/22/2007	OTH	Improving Internet Advertising Using Product Conversion Data	11/876,550	UTL	ABANDONED	10/22/2007		
Y02485US00	US	12/4/2007	OTH	System and Method for Observing Communication Behavior	11/950,201	UTL	ISSUED	12/4/2007	12/3/2013	8,600,965
Y02484US01	US	12/21/2007	OTH	Blog-Based Video Summarization	11/963,450	UTL	ISSUED	12/21/2007	1/3/2017	9,535,988

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02484US00	US	12/21/2007	OTH	Comment Filters for Real-Time Multimedia Broadcast Sessions	11/963,327	UTL	ISSUED	12/21/2007	10/5/2010	7,809,773
Y02482US04	US	8/26/2011	CON	Targeted Distribution Of Electronic Coupons	13/219,107	UTL	ABANDONED	11/26/2007		
Y02482US02	US	11/26/2007	OTH	Redistribution And Redemption Of Commercial Incentives	11/944,958	UTL	ABANDONED	11/26/2007		
Y02478US00	US	9/17/2007	OTH	Advertising Within Address Books	11/856,584	UTL	ABANDONED	9/17/2007		
Y02474US00	US	3/17/2008	OTH	Agent-based customized online shopping	12/049,857	UTL	ABANDONED	3/17/2008		
Y02473US00	US	9/12/2007	OTH	Inline Rights Request and Communication for Remote Content	11/854,369	UTL	ABANDONED	9/12/2007		
Y02472US00	US	9/12/2007	OTH	Trackbacks for Media Assets	11/854,159	UTL	ABANDONED	9/12/2007		
Y02471US00	US	8/29/2007	OTH	Automated Most Popular Media Asset Creation	11/847,199	UTL	ABANDONED	8/29/2007		
Y02470US00	US	8/29/2007	OTH	In-Place Upload and Editing Application for Editing Media Assets	11/847,208	UTL	ABANDONED	8/29/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02465US00	US	9/28/2007	OTH	Method And Apparatus For Providing Multimedia Content Optimization	11/864,370	UTL	ABANDONED	9/28/2007		
Y02462US00	US	12/27/2007	OTH	System and method for providing description diversity	11/964,916	UTL	ABANDONED	12/27/2007		
Y02461US00	US	10/16/2007	OTH	Content Navigation Method And User Interface	11/873,381	UTL	ABANDONED	10/16/2007		
Y02456US01	US	1/31/2008	OTH	Centralized System For Analyzing Software Performance Metrics	12/023,613	UTL	ABANDONED	1/31/2008		
Y02456US00	US	1/31/2008	OTH	Executing Software Performance Test Jobs In A Clustered System	12/023,608	UTL	ABANDONED	1/31/2008		
Y02455US00	US	8/20/2007	OTH	IDENTIFYING AND VALIDATING FACTORS THAT HAVE PARTICULAR EFFECTS ON USER BEHAVIOR	11/841,558	UTL	ABANDONED	8/20/2007		
Y02454US00	US	8/23/2007	OTH	Shared Influence Search	11/844,253	UTL	ABANDONED	8/23/2007		
Y02453US00	US	12/17/2007	OTH	Measuring And Limiting Distractions On Computer Displays	11/958,183	UTL	ABANDONED	12/17/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02449US00	US	3/7/2008	OTH	Collaborative Internet Image-Searching Techniques	12/044,885	UTL	ABANDONED	3/7/2008		
Y02445US00	US	9/4/2007	OTH	INFORMATION NETWORK FOR TEXT ADS	11/849,772	UTL	ABANDONED	9/4/2007		
Y02442US00	US	9/26/2007	OTH	System and method for discovering and presenting social relationships between internet users and content	11/861,962	UTL	ABANDONED	9/26/2007		
Y02439US03	US	7/25/2008	CON	System and Method for Word-of-Mouth Advertising	12/180,499	UTL	ABANDONED	1/16/2008		
Y02439US01	US	1/16/2008	OTH	System and Method for Real-Time Media Object-Specific Communications	12/015,146	UTL	ABANDONED	1/16/2008		
Y02439US00	US	1/16/2008	OTH	System and Method for Word-of-Mouth Advertising	12/015,115	UTL	ABANDONED	1/16/2008		
Y02438US00	US	10/17/2007	OTH	ASSESSING ONLINE ADVERTISING EFFECTIVENESS UTILIZING UNIQUE CODES FOR ADVERTISEMENT REQUESTS	11/874,120	UTL	ABANDONED	10/17/2007		
Y02437US00	US	9/11/2007	OTH	Safe Web Based Interactions	11/853,447	UTL	ABANDONED	9/11/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02436US00	US	9/28/2007	OTH	A method of detecting spam hosts based on propagating prediction labels	11/863,520	UTL	ABANDONED	9/28/2007		
Y02434US00	US	9/27/2007	OTH	A method of detecting spam hosts based on clustering the host graph	11/862,913	UTL	ABANDONED	9/27/2007		
Y02433US00	US	3/21/2001	NEW	System and Method of Personal and Business Web Cards	09/813,748	UTL	ABANDONED	3/21/2001		
Y02432US00	US	9/10/2007	OTH	System and method using sampling for scheduling advertisements in slots of different quality in an online auction with budget and time constraints	11/900,522	UTL	ISSUED	9/10/2007	3/25/2014	8,682,724
Y02431US00	US	7/16/2007	OTH	Reputation Based Display	11/778,600	UTL	ABANDONED	7/16/2007		
Y02430US00	US	9/4/2007	OTH	Adaptive Ad Server	11/849,811	UTL	ABANDONED	9/4/2007		
Y02428US00	US	8/2/2007	OTH	Method For Improving Internet Advertising Click-Through Rates through Time-Dependent Keywords	11/833,136	UTL	ABANDONED	8/2/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02422US00	US	9/10/2007	OTH	System and Method for Optimally Allocating Overlapping Inventory	11/852,898	UTL	ABANDONED	9/10/2007		
Y02416US05	US	2/23/2011	CON	Methods for Collecting and Analyzing Network Performance Data	13/033,467	UTL	ABANDONED	4/1/2008		
Y02416US02	US	12/28/2007	OTH	MAPLESS GLOBAL SERVER LOAD BALANCING OF NETWORK TRAFFIC USING ANYCAST ROUTING	11/966,989	UTL	ABANDONED	12/28/2007		
Y02416US00	US	4/1/2008	OTH	Methods for Collecting and Analyzing Network Performance Data	12/060,619	UTL	ABANDONED	4/1/2008		
Y02413US00	US	10/17/2005	NEW	System And Method For Location Based Social Networking	60/727,977	PRV	ABANDONED	10/17/2005		
Y02412US01	US	10/18/2005	FCA	System and method for location based social networking	11/253,848	UTL	ISSUED	10/19/2004	9/13/2011	8,019,692
Y02411US05	US	7/20/2011	CON	Social network for mapping gradations to target intent	13/186,753	UTL	PUBLISHED	10/19/2004		
Y02411US04	US	7/20/2011	CON	Social network for monitoring user activity	13/186,725	UTL	PUBLISHED	10/19/2004		
Y02411US03	US	7/20/2011	CON	Social network for location sensing	13/186,711	UTL	PUBLISHED	10/19/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02411US02	US	7/30/2008	CON	System and Method For Location Based Matching And Promotion	12/183,030	UTL	PUBLISHED	10/19/2004		
Y02411US01	US	10/18/2005	FCA	System and method for location based matching and promotion	11/253,847	UTL	PUBLISHED	10/19/2004		
Y02411US00	US	10/19/2004	NEW	System and method for location based matching and promotion	60/620,456	PRV	CONV PRV	10/19/2004		
Y02405US00	US	10/15/2007	OTH	Suggestive Meeting Points Based on Location of Multiple Users	11/872,494	UTL	ABANDONED	10/15/2007		
Y02401US00	US	8/8/2007	OTH	Social Network Building	11/835,661	UTL	ISSUED	8/8/2007	10/29/2013	8,572,216
Y02400US00	US	7/24/2007	OTH	MAP-BASED INTERFACES FOR STORING AND LOCATING INFORMATION ABOUT GEOGRAPHICAL AREAS	11/880,912	UTL	ABANDONED	7/24/2007		
Y02399US00	US	11/12/2007	CEQ	Extracting Information Based On Document Structure And Characteristics Of Attributes	11/938,736	UTL	ABANDONED	11/12/2007		
Y02398US01D9	US	1/26/2010	CON	Graphical User Interface for a Display Screen	29/354,589	DES	ABANDONED	6/4/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02398US01D8	US	11/17/2009	CON	Graphical User Interface for a Display Screen	29/350,478	DES	ABANDONED	6/4/2007		
Y02398US01D7	US	5/19/2009	CON	Graphical User Interface for a Display Screen	29/337,333	DES	ABANDONED	6/4/2007		
Y02398US01D6	US	3/3/2009	CON	Graphical User Interface for a Display Screen	29/333,127	DES	ABANDONED	6/4/2007		
Y02398US01D5	US	8/20/2008	DIV	Graphical User Interface for a Display Screen	29/323,208	DES	ISSUED	6/4/2007	7/13/2010	D619,594
Y02398US01D4	US	8/7/2008	DIV	Graphical User Interface for a Display Screen	29/322,623	DES	ISSUED	8/7/2008	4/13/2010	D613,747
Y02398US01D3	US	8/29/2007	OTH	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN	29/284,051	DES	ISSUED	6/4/2007	12/29/2009	D607,002
Y02398US01D2	US	8/29/2007	OTH	Graphical User Interface for a Display Screen	29/284,050	DES	ISSUED	6/4/2007	7/21/2009	D596,644
Y02398US01D11	US	5/22/2012	CON	Display Screen with a Graphical User Interface	29/422,580	DES	ISSUED	6/4/2007	7/29/2014	D709,906
Y02398US01D10	US	1/26/2010	CON	Graphical User Interface for a Display Screen	29/354,588	DES	ABANDONED	6/4/2007		
Y02398US01D1	US	8/29/2007	OTH	Graphical User Interface for Display Screen	29/284,049	DES	ISSUED	6/4/2007	3/2/2010	D611,055
Y02398US00	US	6/4/2007	OTH	Interactive Interface for Navigating, Previewing, and Accessing Multimedia Content	11/810,198	UTL	ABANDONED	6/4/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02395US00	US	9/18/2007	OTH	Bridging Phone Networks Using Voip To Preserve In-Network Calling Advantages	11/856,912	UTL	ABANDONED	9/18/2007		
Y02394US00	US	8/31/2007	OTH	Media Discovery Interface	11/848,977	UTL	ABANDONED	8/31/2007		
Y02384US01D1	US	9/18/2007	OTH	Graphical User Interface for a Video Inbox	29/284,903	DES	ISSUED	9/18/2007	5/26/2009	D593114
Y02384US00	US	7/25/2007	OTH	System and Method For Streaming Videos Inline With An E-Mail	11/828,218	UTL	ISSUED	7/25/2007	3/29/2011	7,917,591
Y02383US00	US	10/23/2007	OTH	Persistent Group-Based Instant Messaging	11/877,604	UTL	ISSUED	10/23/2007	6/26/2012	8,209,384
Y02373US00	US	9/28/2007	OTH	System and method for indicating page component focus	11/863,444	UTL	PUBLISHED	9/28/2007		
Y02372US00	US	7/23/2007	OTH	System and Method of Researching Real Estate	11/781,578	UTL	ABANDONED	7/23/2007		
Y02369US00	US	7/20/2007	OTH	User-Controlled Print Friendly Page	11/880,255	UTL	ABANDONED	7/20/2007		
Y02368US00	US	7/12/2007	OTH	Mobile Notification System	11/777,084	UTL	ABANDONED	7/12/2007		
Y02367US02	US	8/21/2007	OTH	System And Method For Identifying Similar Media Objects	11/842,886	UTL	ABANDONED	8/13/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02366US00	US	6/28/2007	OTH	Dynamic Phishing Protection in Instant Messaging	11/770,490	UTL	ABANDONED	6/28/2007		
Y02363US02	US	10/5/2017	CON	Integrating Rich Media Into A Web-Based Calendar	15/726,144	UTL	PENDING	10/12/2007		
Y02363US01	US	9/16/2008	OTH	Integrating Rich Media Into A Web-Based Calendar	12/211,770	UTL	ISSUED	10/12/2007	10/10/2017	9,785,916
Y02363US00	US	10/12/2007	OTH	Method and Apparatus for Providing Rich Media in Web-Based Data Interferences	60/979,777	PRV	CONV PRV	10/12/2007		
Y02361US00	US	10/23/2007	NEW	System for Obtaining of Transcripts of Non-Textual Media	11/877,609	UTL	ABANDONED	10/23/2007		
Y02359US00	US	7/9/2007	OTH	Draggable mechanism for identifying and communicating the state of an application	11/775,097	UTL	ABANDONED	7/9/2007		
Y02355US00	US	6/22/2007	OTH	Data-assisted content programming	11/766,913	UTL	ABANDONED	6/22/2007		
Y02351US00	US	6/28/2007	OTH	SERVER-AIDED APPROACH TO IMPROVE MEDIA NEGOTIATION EFFICIENCY	11/770,571	UTL	ABANDONED	6/28/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02350US01	US	10/24/2011	CON	Method For Matching Electronic Advertisements To Surrounding Context Based On Their Advertisement Content	13/280,111	UTL	ABANDONED	7/16/2007		
Y02346US00	US	7/31/2007	OTH	Creating IP address to Location data by merging IP address to Location data from multiple sources	11/831,331	UTL	ISSUED	7/31/2007	1/11/2011	7,870,227
Y02341US01	US	9/10/2007	OTH	System and Method for Payment Over a Series of Time Periods in an Online Market with Budget and Time Constraints	11/900,523	UTL	ISSUED	9/10/2007	8/9/2011	7,996,306
Y02341US00	US	9/10/2007	OTH	System and Method Using Sampling for Scheduling Advertisements in an Online Auction with Budget and Time Constraints	11/900,524	UTL	ISSUED	9/10/2007	3/4/2014	8,666,813
Y02340US00	US	9/28/2007	OTH	Loading Predicted Tags Onto Electronic Devices	11/864,828	UTL	ABANDONED	9/28/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02335US00	US	9/28/2007	OTH	SCHEDULED ONLINE PRESENCE ON INSTANT MESSENGER	11/864,405	UTL	ISSUED	8/17/2007	1/8/2013	8,352,555
Y02332US00	US	7/16/2007	OTH	Method to set up online book collections and facilitate social interactions on books	11/778,597	UTL	ABANDONED	7/16/2007		
Y02329US00	US	12/20/2007	CEQ	CIDR based caching at Application Layer	11/961,870	UTL	ABANDONED	10/18/2007		
Y02327US00	US	10/30/2007	OTH	Dynamic Methods for Optimizing Sponsored Search Keyword Auctions Under Budget Constraints	11/981,319	UTL	ABANDONED	10/30/2007		
Y02325US00	US	11/20/2007	OTH	Dynamic Content Pipeline	11/943,122	UTL	ABANDONED	11/20/2007		
Y02322US00	US	7/6/2007	OTH	System and Method of Using CAPTCHAS as Ads	11/774,382	UTL	ABANDONED	7/6/2007		
Y02321US00	US	7/17/2007	OTH	Asynchronous Search Platform for Mobile Device Users	11/879,599	UTL	ABANDONED	7/17/2007		
Y02319US00	US	9/14/2007	OTH	Techniques in Using Feedback in Crawling Web Content	11/855,962	UTL	ABANDONED	7/18/2007		
Y02316US00	US	10/22/2007	OTH	Online Advertisement Delivery Based On User Feedback	11/876,384	UTL	ABANDONED	10/22/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02315US00	US	6/28/2007	OTH	Rights Engine Including Event Logs	11/770,096	UTL	ABANDONED	6/28/2007		
Y02314US00	US	8/13/2007	OTH	Location-Based Visualization of Geo-Referenced Context	11/893,016	UTL	PUBLISHED	8/13/2007		
Y02312US00	US	8/7/2007	OTH	System And Method For Simplified Navigation	11/835,271	UTL	ABANDONED	8/7/2007		
Y02307US00	US	7/19/2007	OTH	Listing Relevancy Optimization for Marketplaces of Limited Supply	11/780,105	UTL	ABANDONED	7/19/2007		
Y02306US00	US	7/2/2007	OTH	Mobile Trading Cards	11/772,709	UTL	ABANDONED	7/2/2007		
Y02305US00	US	8/21/2007	OTH	Video Channel Curation	11/842,843	UTL	ABANDONED	8/21/2007		
Y02304US00	US	6/25/2007	OTH	Social Mobilized Content Sharing	11/767,776	UTL	ABANDONED	6/25/2007		
Y02302US04	US	7/30/2007	CON	System for determining the Quality of query suggestions using a network of users and advertisers	11/830,726	UTL	ABANDONED	4/10/2007		
Y02302US03	US	7/30/2007	CON	SYSTEM FOR DETERMINING THE QUALITY OF QUERY SUGGESTION SYSTEMS USING A NETWORK OF USERS AND ADVERTISERS	11/830,693	UTL	ABANDONED	4/10/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02302US01	US	7/30/2007	CON	SYSTEM FOR OPTIMIZING THE PERFORMANCE OF ONLINE ADVERTISEMENTS USING A NETWORK OF USERS AND ADVERTISERS	11/830,515	UTL	ABANDONED	4/10/2007		
Y02302US00	US	4/10/2007	OTH	SYSTEM FOR BUILDING A DATA STRUCTURE REPRESENTING A NETWORK OF USERS AND ADVERTISERS	11/786,326	UTL	ABANDONED	4/10/2007		
Y02300US02	US	3/11/2013	CON	Network-Based Archiving For Threaded Mobile Text Messages	13/793,686	UTL	ISSUED	2/28/2007	2/23/2016	9,271,126
Y02300US01	US	10/25/2007	FCA	NETWORK-BASED ARCHIVING FOR THREADED MOBILE TEXT MESSAGES	11/924,074	UTL	ISSUED	2/28/2007	3/12/2013	8,396,493
Y02299US00	US	2/28/2007	OTH	NETWORK-BASED ARCHIVING FOR THREADED MOBILE TEXT MESSAGES	60/892,022	PRV	CONV PRV	2/28/2007		
Y02296US00	US	8/28/2007	OTH	Method And System For Collecting And Classifying Opinions On Products	11/846,078	UTL	PUBLISHED	8/28/2007		
Y02293US00	US	7/16/2007	OTH	Vertical content searching method and apparatus	11/778,446	UTL	ABANDONED	7/16/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02292US00	US	7/2/2007	OTH	Syndication Optimization System	11/772,766	UTL	ABANDONED	7/2/2007		
Y02290US00	US	7/24/2007	OTH	Creating and Displaying Universal Ad over Multiple Different Platforms	11/782,243	UTL	ABANDONED	7/24/2007		
Y02289US00	US	12/10/2007	OTH	System and Method for Sparse Gaussian Process Regression Using Predictive Measures	12/001,958	UTL	ABANDONED	12/10/2007		
Y02286US00	US	7/27/2007	OTH	System and Method of Making Trading Markets Using Generalized Trade Reduction	11/881,694	UTL	ABANDONED	7/27/2007		
Y02284US00	US	8/23/2007	OTH	Dynamic and interactive advertisements	11/843,898	UTL	ABANDONED	8/23/2007		
Y02282US00	US	5/16/2007	OTH	USER INTERFACE FOR GRAPHICALLY REPRESENTING GROUPS	11/804,233	UTL	ABANDONED	5/16/2007		
Y02280US00	US	11/2/2007	OTH	Agent To Offer In- Context Help	11/934,594	UTL	ABANDONED	11/2/2007		
Y02277US00	US	7/13/2007	OTH	Method for searching, marketing and purchasing fashion garments	11/777,580	UTL	ABANDONED	7/13/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02276US00	US	5/17/2007	OTH	System and Method for providing advertisements over a communication network utilizing shared-revenue incentives	11/750,156	UTL	ABANDONED	5/17/2007		
Y02275US01	US	11/30/2007	OTH	System for Maintaining a Database	11/948,262	UTL	ABANDONED	11/30/2007		
Y02275US00	US	11/30/2007	OTH	System for Storing Distributed Hashtables	11/948,236	UTL	ABANDONED	11/30/2007		
Y02274US00	US	5/9/2007	OTH	DETERMINATION OF SAMPLING CHARACTERISTICS BASED ON AVAILABLE MEMORY	11/746,541	UTL	ISSUED	5/9/2007	10/19/2010	7,818,534
Y02271US01	US	5/7/2007	OTH	Media with Embedded Network Services	11/745,276	UTL	ABANDONED	5/7/2007		
Y02264US00	US	10/19/2007	OTH	Method and apparatus for geographic specific search results including a map-based display	11/875,040	UTL	ABANDONED	10/19/2007		
Y02262US00	US	5/8/2007	OTH	Systems And Methods For Inter-Domain Messaging	11/746,025	UTL	ABANDONED	5/8/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02260US01	US	6/30/2008	CON	System for Serving Targeted Advertisements over Mobile Messaging Services	12/165,175	UTL	ABANDONED	7/11/2007		
Y02260US00	US	7/11/2007	OTH	SYSTEM FOR SERVING TARGETED ADVERTISEMENTS OVER MOBILE MESSAGING SERVICES	11/776,073	UTL	ISSUED	7/11/2007	4/16/2013	8,423,003
Y02259US00	US	3/16/2007	OTH	System and method for resource aggregation and distribution	11/687,307	UTL	ABANDONED	3/16/2007		
Y02256US03	US	6/28/2001	DCA	METHOD AND SYSTEM OF INTELLIGENT INFORMATION PROCESSING IN A NETWORK	10/069,415	UTL	ABANDONED	6/28/2000		
Y02256US00	US	6/28/2000	NEW	Methods, Systems and Computer Software Products for Chinese Information Processing in a Wide Area Network	60/214,812	PRV	CONV PRV	6/28/2000		
Y02251US00	US	4/9/2007	FCA	Topic Specific Generation And Editing Of Media Assets	11/786,020	UTL	ABANDONED	4/10/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02245US00	US	8/29/2007	OTH	System and Method for String Processing and Searching Using a Compressed Permuterm Index	11/897,427	UTL	ABANDONED	8/29/2007		
Y02244US00	US	4/11/2007	OTH	LOAD-BASED TECHNIQUE TO BALANCE DATA SOURCES TO DATA CONSUMERS	11/734,067	UTL	ABANDONED	4/11/2007		
Y02242US00	US	6/28/2007	OTH	AUTOMATED SYSTEM TO IMPROVE SEARCH ENGINE OPTIMIZATION ON WEB PAGES	11/770,083	UTL	ABANDONED	6/28/2007		
Y02239US01	US	3/10/2003	FCA	System and method for delivering data in a network	10/386,079	UTL	ABANDONED	3/11/2002		
Y02239US00	US	3/11/2002	NEW	System and method for delivering data in a network	60/363,877	PRV	EXPIRED	3/11/2002		
Y02238US01	US	3/7/2003	FCA	System for standardizing updates of data on a plurality of electronic devices	10/384,226	UTL	ABANDONED	3/11/2002		
Y02238US00	US	3/11/2002	NEW	System for standardizing updates of data on a plurality of electronic devices	60/363,876	PRV	EXPIRED	3/11/2002		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02237US01	US	3/7/2003	FCA	System and method for adapting preferences based on device location or network topology	10/384,225	UTL	ABANDONED	3/11/2002		
Y02237US00	US	3/11/2002	NEW	System and method for adapting preferences based on device location or network topology	60/363,810	PRV	EXPIRED	3/11/2002		
Y02236US01	US	3/7/2003	FCA	System and method for managing two or more electronic devices	10/384,224	UTL	ABANDONED	3/11/2002		
Y02236US00	US	3/11/2002	NEW	System and method for managing two or more electronic devices	60/363,802	PRV	EXPIRED	3/11/2002		
Y02235US00	US	1/23/2003	NEW	System and method for sharing objects among two or more electronic devices	10/348,640	UTL	ABANDONED	1/23/2003		
Y02234US01	US	9/13/2012	CON	Hot Within My Communities	13/615,077	UTL	ISSUED	5/22/2007	11/3/2015	9,178,951
Y02234US00	US	5/22/2007	OTH	Hot Within My Communities	11/752,104	UTL	ISSUED	5/22/2007	11/13/2012	8,312,108
Y02233US00	US	5/22/2007	OTH	Hot with my readers	11/752,113	UTL	ABANDONED	5/22/2007		
Y02232US00	US	4/30/2007	OTH	ASSOCIATION TO COMMUNITIES	11/742,361	UTL	ABANDONED	4/30/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02231US00	US	3/30/2007	OTH	GEOGRAPHIC READER DISPLAY DATA	11/694,752	UTL	ABANDONED	3/30/2007		
Y02224US00	US	2/27/2007	OTH	System and Method of Implementing an Extensible Command- Line Interface	11/679,796	UTL	ABANDONED	2/27/2007		
Y02223US00	US	5/15/2007	OTH	System and Method for Providing Information Regarding a Redirection of an Internet User to a Webpage	11/748,719	UTL	ABANDONED	5/15/2007		
Y02222US00	US	9/27/2007	OTH	Methods of Ranking Content for Brand Centric Websites	11/863,202	UTL	ABANDONED	9/27/2007		
Y02218US02	US	4/17/2007	OTH	Methods For Establishing Brand- Centric Websites From Bi-Directionally Linked Content	11/736,572	UTL	ABANDONED	4/17/2007		
Y02218US01	US	4/17/2007	OTH	Methods For Promoting Brand-Centric Advertising And Managing The Same	11/736,571	UTL	ABANDONED	4/17/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02218US00	US	4/17/2007	OTH	Systems and Methods for Managing a Brand Universe for User Information, Brand Related Marketing and User Interactivity	11/736,560	UTL	ABANDONED	4/17/2007		
Y02216US00	US	4/20/2007	OTH	Displaying Financial Information Based on Location	11/737,933	UTL	ISSUED	4/20/2007	9/7/2010	7,792,738
Y02214US00	US	4/18/2001	NEW	Privacy Control System for Personal Information Card System and Method Thereof	09/837,497	UTL	ABANDONED	4/18/2001		
Y02212US00	US	9/25/2007	OTH	Systems and Methods for Serving Generalized Gift Certificates to Consumers on a Web Site	11/860,603	UTL	ABANDONED	9/25/2007		
Y02208US00	US	3/29/2001	NEW	Method and system for schedule based advertising on a mobile phone	09/821,134	UTL	ISSUED	3/29/2001	5/3/2005	6,889,054
Y02200US00	US	7/30/2007	OTH	Textual and visual interactive advertisements in videos	11/830,157	UTL	ABANDONED	7/30/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02197US00	US	7/6/2007	OTH	Identifying Excessively Reciprocal Links Among Web Entities	11/825,392	UTL	ABANDONED	7/6/2007		
Y02192US00	US	9/19/2007	OTH	Attribute-Based Item Similarity Using Collaborative Filtering Techniques	11/857,847	UTL	ABANDONED	9/19/2007		
Y02191US00	US	9/19/2007	OTH	Feature Discretization and Cardinality Reduction Using Collaborative Filtering Techniques	11/857,787	UTL	ABANDONED	9/19/2007		
Y02190US01	US	2/25/2011	CON	System and method for determining an event occurrence rate	13/034,835	UTL	ABANDONED	4/5/2007		
Y02181US01D2	US	10/2/2007	OTH	Graphical User Interface for Computer Screen	29/295,599	DES	ISSUED	10/2/2007	5/12/2009	D,592,221
Y02181US01D1	US	10/2/2007	OTH	Graphical User Interface for Computer Screen	29/295,597	DES	ISSUED	10/2/2007	7/21/2009	D596642
Y02181US00	US	8/9/2007	OTH	Systems and Methods for Dynamic Page Creation	11/836,724	UTL	ISSUED	8/9/2007	6/14/2016	9,367,639
Y02180US00	US	6/28/2007	OTH	Flash Based Data Aggregation and Exchange	11/824,279	UTL	ABANDONED	6/28/2007		
Y02179US02	US	8/16/2007	OTH	Page Modules and Providing Content	11/840,168	UTL	ISSUED	8/16/2007	8/19/2014	8,812,944

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02179US01	US	8/16/2007	OTH	Page Modules and States	11/840,180	UTL	ABANDONED	8/16/2007		
Y02179US00	US	8/16/2007	OTH	Personalized Page Modules	11/840,146	UTL	ISSUED	8/16/2007	10/30/2012	8,302,013
Y02176US00	US	6/5/2007	CEQ	ATTACHING FILES FROM THE ATTACHMENTS AVAILABLE IN A USER'S MAIL BOX	11/758,127	UTL	ABANDONED	4/11/2007		
Y02174US00D1	US	9/26/2007	OTH	Portion of a display panel with an icon image for displaying content	29/295,338	DES	ISSUED	2/22/2007	3/31/2009	D589,527
Y02172US00	US	5/30/2007	OTH	System and Method for Generating User-Assisted Advertising Relevancy Scores	11/755,571	UTL	ABANDONED	5/30/2007		
Y02169US01	US	8/21/2017	CON	System And Method For Video Conversations	15/682,319	UTL	PENDING	4/30/2007		
Y02169US00	US	4/30/2007	OTH	SYSTEM AND METHOD FOR VIDEO CONVERSATIONS	11/742,330	UTL	ISSUED	4/30/2007	8/22/2017	9,743,120
Y02168US00	US	5/8/2007	OTH	System and Method for Allocating Tuner and/or Recording Resources	11/746,003	UTL	ABANDONED	5/8/2007		
Y02167US02	US	10/26/2007	OTH	Multimedia Enhanced Browser Interface	11/925,365	UTL	ABANDONED	10/26/2007		
Y02167US01	US	10/26/2007	OTH	Multimedia Enhanced Instant Messaging Engine	11/925,321	UTL	ABANDONED	10/26/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02166US00	US	12/27/2007	OTH	Simulation framework for evaluating designs for sponsored search markets	11/965,002	UTL	ABANDONED	12/27/2007		
Y02162US00	US	4/24/2007	OTH	Method and System for Previewing Media Over a Network	11/739,532	UTL	ABANDONED	4/24/2007		
Y02161US01	US	11/8/2007	CEQ	TECHNIQUES FOR KEYWORD EXTRACTION FROM URLS USING STATISTICAL ANALYSIS	11/937,417	UTL	ABANDONED	9/27/2007		
Y02161US00	US	11/6/2007	CEQ	TECHNIQUES FOR TOKENIZING URLS	11/935,622	UTL	ABANDONED	9/20/2007		
Y02160US00	US	10/31/2003	CEQ	System and method for enhancing broadcast or recorded programs with information on the world wide web	10/477,866	UTL	ISSUED	5/10/2001	6/23/2009	7,552,193
Y02159US00	US	10/31/2003	CEQ	System and method for enhancing broadcast programs with information on the world wide web	10/477,865	UTL	ISSUED	5/10/2001	3/2/2010	7,673,316

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02158US03	US	5/16/2016	CON	System and method for enhancing recorded radio or television programs with information on the world wide web	15/156,299	UTL	ISSUED	5/10/2001	3/7/2017	9,591,362
Y02158US02	US	9/17/2013	CON	System and method for enhancing recorded radio or television programs with information on the world wide web	14/029,429	UTL	ISSUED	5/10/2001	5/17/2016	9,344,670
Y02158US01	US	3/1/2011	CON	System and method for enhancing recorded radio or television programs with information on the world wide web	13/037,847	UTL	ISSUED	5/10/2001	9/17/2013	8,539,538
Y02158US00	US	10/31/2003	CEQ	System and method for enhancing recorded radio or television programs with information on the world wide web	10/476,921	UTL	ISSUED	5/10/2001	7/19/2011	7,984,472
Y02157US00	US	10/21/1994	NEW	Video Display And Selection On A Graphical Interface	08/327,085	UTL	ISSUED	10/21/1994	1/1/2002	6,335,737

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02156US00	US	2/23/1999	NEW	Method For Distributing Digital Tv Signal And Selection Of Content	09/256,520	UTL	ISSUED	2/23/1999	9/19/2000	6,122,660
Y02155US00	US	4/17/2001	NEW	Recall Of Previous Program Channel	09/836,313	UTL	ISSUED	4/17/2001	5/16/2006	7,047,548
Y02154US00	US	4/21/2000	NEW	Method For Distributing Digital Tv Signal And Selection Of Content	09/556,734	UTL	ISSUED	4/21/2000	10/21/2003	6,636,533
Y02153US00	US	11/12/1997	NEW	System For Two-Way Digital Multimedia Broadcast And Interactive Services	08/968,404	UTL	EXPIRED	11/12/1997	10/2/2001	6,298,482
Y02152US00	US	7/7/1997	NEW	Scheme For The Distribution Of Multimedia Follow-Up Information	08/888,574	UTL	EXPIRED	7/7/1997	10/26/1999	5,973,685
Y02151US01	US	4/1/1994	OTH	Apparatus And Method For Data Search Using Selected Or Representative Data Sample	08/221,917	UTL	ABANDONED	4/1/1994		
Y02151US00	US	8/28/1995	NEW	Apparatus And Method For Data Search Using Selected Or Representative Data Sample	08/531,570	UTL	EXPIRED	4/1/1994	11/12/1996	5,574,909
Y02150US00	US	11/15/2001	NEW	Scalable Call Management System	09/999,474	UTL	ISSUED	11/15/2001	6/6/2006	7,058,046

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02149US00	US	7/19/2001	NEW	E-Mail With Voice / Phone Conference Feature	09/910,271	UTL	ISSUED	7/19/2001	5/23/2006	7,050,557
Y02148US00	US	7/16/2001	NEW	Controlling Network Congestion Using A Biased Packet Discard Policy For Congestion Control And Encoded Session Packets: Methods, Systems, And Program Products	09/906,499	UTL	ISSUED	7/16/2001	5/9/2006	7,042,841
Y02147US00	US	4/27/1999	NEW	Method And Apparatus For Sending Messages In A Data Processing System	09/300,320	UTL	ISSUED	4/27/1999	4/12/2005	6,879,665
Y02146US00	US	6/29/2001	NEW	Localized Voice Mail System	09/895,091	UTL	ISSUED	6/29/2001	6/15/2004	6,751,298
Y02145US00	US	1/28/1999	NEW	Method and system for making a charged telephone call during an Internet browsing session	09/239,242	UTL	ISSUED	1/28/1999	5/27/2003	6,570,870
Y02144US00	US	1/11/1999	OTH	Computer email with telephony support	09/227,948	UTL	ISSUED	5/11/1998	12/31/2002	6,502,127
Y02143US00	US	1/9/1997	NEW	Internet telephony directory server	08/780,888	UTL	EXPIRED	1/9/1997	10/30/2001	6,310,873
Y02142US00	US	8/19/1997	NEW	Internet telephony signal conversion	08/914,111	UTL	EXPIRED	8/19/1997	2/27/2001	6,195,358

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02141US00	US	6/25/1997	OTH	Voice mail system that downloads an applet for managing voice mail messages	08/882,709	UTL	EXPIRED	11/12/1996	1/30/2001	6,181,781
Y02140US01	US	11/8/2000	OTH	Internet telephony callback system and method of operation	09/707,981	UTL	ISSUED	3/30/1998	10/8/2002	6,463,144
Y02140US00	US	3/30/1998	NEW	Internet telephony callback system and method of operation	09/050,008	UTL	ISSUED	3/30/1998	1/2/2001	6,169,795
Y02139US00	US	4/18/1997	OTH	Voice Processing system	08/844,712	UTL	EXPIRED	4/26/1996	10/5/1999	5,963,618
Y02137US00	US	1/5/2007	OTH	Data Synchronization and Device Handling Using Sequence Numbering	60/878,749	PRV	CONV PRV	1/5/2007		
Y02136US00	US	4/20/2001	NEW	Phonetic self-improving search engine	60/285,083	PRV	ABANDONED	4/20/2001		
Y02131US00	US	1/5/2007	OTH	SHOW AND TELL COMMUNICATION INTERFACE	60/883,760	PRV	CONV PRV	1/5/2007		
Y02130US00	US	4/20/2007	OTH	Systems and Methods for Providing A Video Resume	11/738,114	UTL	ABANDONED	4/20/2007		
Y02128US02	US	4/27/2007	FCA	Data Synchronization and Device Handling Using Sequence Numbers	11/796,258	UTL	ABANDONED	1/5/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02115US00	US	6/8/2007	OTH	System and method for shaping relevance scores for position auctions	11/760,069	UTL	ABANDONED	6/8/2007		
Y02114US00	US	3/29/2007	OTH	System and Method for Predictive Targeting In Online Advertising Using Life Stage Profiling	11/731,369	UTL	ABANDONED	3/29/2007		
Y02113US00	US	4/30/2007	OTH	MICROCURRENCY EXCHANGE SYSTEM	11/742,432	UTL	ABANDONED	4/30/2007		
Y02112US00	US	3/29/2007	OTH	SYSTEM AND METHOD FOR USING A BROWSER EXTENSION TO DETECT EVENTS RELATED TO DIGITAL ADVERTISEMENTS	11/729,697	UTL	ABANDONED	3/29/2007		
Y02111US00	US	8/11/2004	NEW	System and Method for Creating Modular Advertisements	10/915,910	UTL	ABANDONED	8/11/2004		
Y02109US00	US	9/8/2001	NEW	Content Enhancement System and Method	09/924,808	UTL	ABANDONED	9/8/2001		
Y02107US00	US	5/30/2007	OTH	System and method for indicating page component focus	11/755,146	UTL	ABANDONED	5/30/2007		
Y02106US00	US	9/5/2007	OTH	Scoring Feed Data Quality	11/850,483	UTL	ABANDONED	9/5/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02104US00	US	5/7/2007	OTH	System and Method for Using Sampling for Scheduling Advertisements in an Online Auction	11/800,667	UTL	ABANDONED	5/7/2007		
Y02099US00	US	9/28/2007	OTH	System and method for improved tag entry for a content item	11/863,460	UTL	ABANDONED	9/28/2007		
Y02098US00	US	5/15/2007	OTH	SERVICE USING REFERRER STRINGS TO IMPROVE ADVERTISEMENT TARGETING	11/748,845	UTL	ABANDONED	5/15/2007		
Y02097US00	US	9/28/2007	OTH	System and method for non-letter key functionality in a search control	11/863,435	UTL	ABANDONED	9/28/2007		
Y02094US00	US	9/28/2007	OTH	System and method for drill-down search results	11/863,431	UTL	ABANDONED	9/28/2007		
Y02092US00	US	5/31/2007	OTH	System and method for providing skins for a web page	11/756,301	UTL	ABANDONED	5/31/2007		
Y02089US00	US	9/28/2007	OTH	System and method for history clustering	11/863,416	UTL	ABANDONED	9/28/2007		
Y02087US00	US	9/28/2007	OTH	System and method for inclusion of history in a search results page	11/863,383	UTL	ABANDONED	9/28/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02081US00	US	5/16/2007	OTH	APPLICATION WITH IN-CONTEXT VIDEO ASSISTANCE	11/749,683	UTL	ABANDONED	5/16/2007		
Y02079US00	US	2/23/2007	OTH	REGRESSION FRAMEWORK FOR LEARNING RANKING FUNCTIONS USING RELATIVE PREFERENCES	11/710,097	UTL	ABANDONED	2/23/2007		
Y02077US00	US	4/12/2007	OTH	Optimizing a Query Using Fuzzy Matching	11/786,547	UTL	ABANDONED	4/12/2007		
Y02071US00	US	1/5/2007	OTH	EMPLOYING MOBILE LOCATION TO REFINE SEARCHES	11/620,619	UTL	ABANDONED	1/5/2007		
Y02070US00	US	4/3/2007	OTH	Systems and Methods for Providing An Internet Asset Marketplace	11/696,148	UTL	ABANDONED	4/3/2007		
Y02068US00	US	2/20/2007	OTH	System and method for preloading content on the basis of user context	11/676,603	UTL	ABANDONED	2/20/2007		
Y02067US00	US	8/1/2007	OTH	Hosted suggestion board system for public customer feedback	11/832,081	UTL	ABANDONED	8/1/2007		
Y02059US00	US	3/30/2007	OTH	Visually Emphasizing Query Results Based on Relevance Feedback	11/694,160	UTL	ABANDONED	3/30/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02056US00	US	4/3/2007	OTH	Systems and Methods for Providing Syndicated Content	11/696,143	UTL	PUBLISHED	4/3/2007		
Y02055US00	US	6/19/2007	OTH	METHOD FOR SESSION SECURITY	11/765,360	UTL	ISSUED	6/19/2007	12/7/2010	7,849,318
Y02053US00	US	6/7/2007	OTH	Client Notification Mechanism Over HTTP	11/759,895	UTL	ABANDONED	6/7/2007		
Y02051US00	US	4/12/2007	OTH	A METHOD AND SYSTEM FOR GENERATING AN ORDERED LIST	11/734,300	UTL	ABANDONED	4/12/2007		
Y02049US00	US	4/17/2006	NEW	Automated Administration of Network-Based Contests	11/405,208	UTL	ABANDONED	4/17/2006		
Y02048US00	US	4/17/2006	NEW	Network Based Contest Creation	11/405,219	UTL	ABANDONED	4/17/2006		
Y02046US03	US	3/11/2013	CON	User Initiated Invite for Automatic Conference Participation by Invitee	13/794,169	UTL	ABANDONED	12/1/2006		
Y02045US00	US	8/29/2007	OTH	System and method for visualizing and relevance tuning search engine ranking functions	11/897,300	UTL	ABANDONED	8/29/2007		
Y02039US00	US	2/12/2007	OTH	DATA QUALITY MEASUREMENT FOR ETL PROCESSES	11/673,690	UTL	ABANDONED	2/12/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02038US00	US	3/6/2007	OTH	PARALLEL PROCESSING FOR ETL PROCESSES	11/682,815	UTL	ABANDONED	3/6/2007		
Y02037US00	US	7/31/2007	OTH	SYSTEM AND METHOD FOR DETERMINING SEMANTICALLY RELATED TERMS	11/831,311	UTL	ABANDONED	7/31/2007		
Y02034US00	US	8/6/2007	OTH	EXTRACTING QUERY INTENT FROM QUERY LOGS	11/834,619	UTL	ABANDONED	8/6/2007		
Y02032US00	US	4/10/2007	OTH	Intelligent Caching of User Data for Real Time Communications	11/786,248	UTL	ISSUED	4/10/2007	8/3/2010	7,769,951
Y02025US00	US	3/8/2007	OTH	System and Method for Revising Natural Language Parse Trees	11/716,518	UTL	ABANDONED	3/8/2007		
Y02022US00	US	11/19/2007	OTH	Method And Apparatus For Performing Multi-Phase Ranking Of Web Search Results By Re-Ranking Results Using Feature And Label Calibration	11/942,410	UTL	ABANDONED	11/19/2007		
Y02018US00	US	4/13/2007	OTH	System and Method for Balancing Goal Guarantees and Optimization of Revenue Under Uneven, Volatile Traffic Conditions	11/787,093	UTL	ABANDONED	4/13/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02017US01	US	9/12/2007	OTH	System and method for predicting clickthrough rates and relevance	11/854,052	UTL	ABANDONED	9/12/2007		
Y02017US00	US	7/31/2007	OTH	System and method for predicting clickthrough rates and relevance	11/831,872	UTL	ABANDONED	7/31/2007		
Y02016US01	US	6/27/2014	DIV	Expanding a Social Network by the Action of a Single User	14/317,915	UTL	ISSUED	4/3/2007	11/15/2016	9,495,716
Y02016US00	US	4/3/2007	OTH	Expanding a Social Network by the Action of a Single User	11/696,058	UTL	ISSUED	4/3/2007	7/8/2014	8,775,561
Y02013US04D3	US	9/10/2008	OTH	GRAPHICAL USER INTERFACE PROVIDING ANNOTATED ALERTS ON DYNAMICALLY GENERATED CHARTS FOR A DISPLAY SCREEN	29/324,348	DES	ISSUED	9/10/2008	3/16/2010	D611,947
Y02013US03D3	US	4/3/2009	DIV	Graphical User Interface For A Display Screen	29/334,912	DES	ISSUED	9/24/2007	10/13/2009	D602,038
Y02013US03D2	US	9/24/2007	OTH	Graphical User Interface For A Display Screen	29/292,023	DES	ISSUED	9/24/2007	7/21/2009	D596,645
Y02013US01D1	US	9/10/2007	OTH	GRAPHICAL USER INTERFACE FOR AN ANNOTATED DYNAMICALLY GENERATED CHART	29/291,706	DES	ABANDONED	4/4/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y02013US00	US	4/4/2007	OTH	USER-DEFINED VISUAL INDICATORS ON DYNAMIC CHARTS	11/732,863	UTL	ABANDONED	4/4/2007		
Y02011US00	US	12/28/2007	OTH	System and Method for Providing Advertisements in Connection with Tags of User-Created Content	11/966,336	UTL	ABANDONED	8/27/2007		
Y02010US00	US	4/10/2007	OTH	Query Substitution Using Active Learning	11/733,652	UTL	ABANDONED	4/10/2007		
Y02008US00	US	12/29/2006	OTH	Generation of Video Streams From Content Items	11/648,288	UTL	ABANDONED	12/29/2006		
Y02004US00	US	6/13/2007	OTH	Policy Based Scheduling of Software Applications	11/762,708	UTL	ABANDONED	6/13/2007		
Y01998US00	US	6/14/2007	OTH	METHOD AND SYSTEM FOR PERSONALIZED SEGMENTATION AND INDEXING OF MEDIA	11/763,388	UTL	ABANDONED	6/14/2007		
Y01995US00	US	3/9/2007	OTH	MOBILE LANGUAGE INTERPRETER WITH LOCALIZATION	11/684,470	UTL	ABANDONED	3/9/2007		
Y01992US00	US	6/29/2007	OTH	Establishing and Updating Reputation Scores in Online Participatory Systems	11/824,552	UTL	PUBLISHED	6/29/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01991US00	US	8/30/2007	CEQ	A Method for Normalizing Dynamic URLs of Web pages through hierarchical organization of URLs from a web site	11/847,989	UTL	ABANDONED	8/30/2007		
Y01990US00	US	3/8/2007	OTH	Autocomplete for integrating diverse methods of electronic communication	11/716,121	UTL	PUBLISHED	3/8/2007		
Y01989US00	US	2/23/2007	OTH	USER INTERFACE FOR TRANSITIONING BETWEEN CHAT AND EMAIL	11/710,050	UTL	ISSUED	2/23/2007	7/13/2010	7,756,936
Y01988US00	US	3/15/2007	OTH	System and method for adjustment of video playback resolution	11/686,436	UTL	ABANDONED	3/15/2007		
Y01986US02	US	12/17/2010	CON	Web Pages and Methods for Providing Rewards for Liking Particular On-Line Advertisements in a Social Networking Media Space	12/972,421	UTL	ABANDONED	6/8/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01986US01	US	12/16/2010	CON	Web Pages and Methods for Displaying Targeted On-Line Advertisements in a Social Networking Media Space	12/970,910	UTL	ABANDONED	6/8/2007		
Y01986US00	US	6/8/2007	OTH	Selecting and Displaying Advertisement in a Personal Media Space	11/760,584	UTL	ISSUED	6/8/2007	1/11/2011	7,870,026
Y01985US00	US	5/1/2007	OTH	Traffic Routing Based on Client Intelligence	11/799,763	UTL	ABANDONED	5/1/2007		
Y01984US00	US	8/16/2007	OTH	Multiple Points of Presence in Real Time Communications	11/840,184	UTL	ABANDONED	8/16/2007		
Y01982US01	US	7/23/2012	CON	Method and System for Managing Digital Photos	13/555,815	UTL	ISSUED	1/2/2008	9/16/2014	8,837,831
Y01982US00	US	1/2/2008	OTH	Method and System for Managing Digital Photos	11/968,596	UTL	ISSUED	1/2/2008	8/28/2012	8,254,684
Y01980US00	US	3/19/2007	OTH	CALL HUNT AND RINGBACK ON THE PHONE THROUGH MESSENGER	11/725,789	UTL	ABANDONED	3/19/2007		
Y01979US00	US	3/27/2007	OTH	System and Method for Search Engine Marketers to Implement Behavioral Targeting	11/691,629	UTL	ABANDONED	3/27/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01977US00	US	7/30/2007	OTH	Method and apparatus for utilizing search result advertisement inventory	11/830,101	UTL	ABANDONED	7/30/2007		
Y01975US00	US	7/30/2007	OTH	Method and apparatus for the placement of advertisements in a search results page	11/830,282	UTL	ABANDONED	7/30/2007		
Y01973US00	US	6/24/2008	DCA	Server for enhancing communication between a content provider and a radio communication device and a method therefor	12/083,605	UTL	ABANDONED	11/3/2006		
Y01970US00	US	6/8/2007	OTH	STRING AND BINARY DATA SORTING	11/760,523	UTL	ABANDONED	6/8/2007		
Y01968US00	US	1/29/2007	OTH	Optimization of Job Scheduling for Resource Clusters with Access Control and Usage Reporting	11/668,441	UTL	ABANDONED	1/29/2007		
Y01965US00	US	2/7/2007	OTH	TEMPLATES FOR THEMED INSTANT MESSAGES	11/703,896	UTL	ISSUED	2/7/2007	5/18/2010	7,721,217
Y01964US00	US	9/13/2007	OTH	Online Profile and IM Graffiti	11/855,105	UTL	ABANDONED	9/13/2007		
Y01963US00	US	7/9/2007	OTH	Super-Emoticons	11/775,175	UTL	ISSUED	7/9/2007	1/6/2015	8,930,463

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01962US00	US	1/29/2007	OTH	REPRESENTING ONLINE PRESENCE FOR GROUPS	11/668,106	UTL	ABANDONED	1/29/2007		
Y01961US00	US	3/7/2007	OTH	Personalized shopping recommendation based on search units	11/683,301	UTL	ABANDONED	3/7/2007		
Y01959US00	US	3/23/2007	OTH	System and Method for Identifying a Link and Generating A Link Identifier for the Link on a Webpage	11/690,246	UTL	PUBLISHED	3/23/2007		
Y01957US00	US	12/7/2006	OTH	EFFICIENT AND REPRODUCIBLE VISITOR TARGETING BASED ON PROPAGATION OF COOKIE INFORMATION	11/608,230	UTL	ABANDONED	12/7/2006		
Y01955US00	US	6/1/2007	OTH	Television Audience Targeting Online	11/757,288	UTL	ABANDONED	6/1/2007		
Y01954US00	US	6/6/2007	OTH	Event Weighting Method and System	11/759,114	UTL	ABANDONED	6/6/2007		
Y01951US01	US	11/27/2013	CON	System and method for associating a geographic location with an Internet protocol address	14/092,451	UTL	ISSUED	3/28/2007	4/5/2016	9,305,022

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01951US00	US	3/28/2007	OTH	System And Method For Associating A Geographic Location With An Internet Protocol Address	11/729,364	UTL	ISSUED	3/28/2007	12/31/2013	8,621,064
Y01950US00	US	3/28/2007	OTH	SYSTEM AND METHOD FOR ASSOCIATING A GEOGRAPHIC LOCATION WITH AN INTERNET PROTOCOL ADDRESS	11/729,377	UTL	ISSUED	3/28/2007	6/15/2010	7,739,266
Y01949US01	US	8/16/2011	CON	SYSTEM AND METHOD FOR ASSOCIATING A GEOGRAPHIC LOCATION WITH AN INTERNET PROTOCOL ADDRESS	13/210,923	UTL	ISSUED	3/28/2007	10/16/2012	8,291,073
Y01949US00	US	3/28/2007	OTH	SYSTEM AND METHOD FOR ASSOCIATING A GEOGRAPHIC LOCATION WITH AN INTERNET PROTOCOL ADDRESS	11/729,365	UTL	ISSUED	3/28/2007	9/20/2011	8,024,454
Y01948US00	US	12/20/2007	OTH	Methods and Systems for Tracking Event Loss	11/961,297	UTL	ABANDONED	12/20/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01943US00	US	12/20/2007	OTH	Methods and Systems for Optimizing Projection of Events	11/961,255	UTL	ABANDONED	12/20/2007		
Y01941US01	US	3/30/2007	OTH	System and Method for Determining Semantically Related Terms	11/731,502	UTL	ABANDONED	3/30/2007		
Y01941US00	US	3/30/2007	OTH	System and Method for Determining Semantically Related Terms	11/731,396	UTL	ABANDONED	3/30/2007		
Y01940US02	US	6/27/2012	CON	System and method for providing vector terms related to instant messaging conversations	13/534,559	UTL	ISSUED	8/27/2007	3/4/2014	8,666,932
Y01940US01	US	2/24/2011	CON	System and method for providing vector terms related to instant messaging conversations	13/034,204	UTL	ISSUED	8/27/2007	7/31/2012	8,234,239
Y01940US00	US	8/27/2007	OTH	System and method for providing vector terms related to instant messaging conversations	11/845,340	UTL	ISSUED	8/27/2007	3/29/2011	7,917,465
Y01938US00	US	2/12/2007	OTH	PATH IDENTIFICATION FOR NETWORK DATA	11/673,857	UTL	ABANDONED	2/12/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01935US00	US	6/4/2007	OTH	System for Scaling and Efficient Handling of Large Data for Loading, Query, and Archival	11/757,948	UTL	ABANDONED	6/4/2007		
Y01927US01	US	5/20/2010	CON	System for Identifying Geographically Relevant Advertisements from a Search Query	12/784,240	UTL	ISSUED	3/28/2007	3/27/2012	8,145,645
Y01927US00	US	3/28/2007	OTH	SYSTEM FOR PROVIDING GEOGRAPHICALLY RELEVANT CONTENT TO A SEARCH QUERY WITH LOCAL INTENT	11/729,103	UTL	ISSUED	3/28/2007	8/10/2010	7,774,348
Y01922US00	US	4/16/2007	OTH	Flash Rich Textfields	11/787,618	UTL	ABANDONED	4/16/2007		
Y01919US00	US	6/13/2007	CEQ	INTELLIGENT FORM FILLER	11/762,618	UTL	ABANDONED	3/22/2007		
Y01918US00	US	4/3/2007	OTH	Instant Message Archive Viewing	11/696,119	UTL	ABANDONED	4/3/2007		
Y01912US00	US	3/2/2007	OTH	QUERY REWRITE	11/713,444	UTL	ABANDONED	3/2/2007		
Y01908US00	US	12/15/2006	OTH	Automatic Data Back Up and Account Creation	11/639,852	UTL	ABANDONED	12/15/2006		
Y01906US00	US	8/7/2007	CEQ	An Approach For Application-Specific Duplicate Detection	11/835,365	UTL	ABANDONED	8/7/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01904US03	US	4/16/2013	CON	System and Method for Displaying Contextual Advertisements with Media	13/864,153	UTL	ISSUED	4/6/2007	4/7/2015	9,003,288
Y01904US02	US	6/1/2012	CON	Method And System For Displaying Contextual Advertisements With Media	13/486,296	UTL	ISSUED	4/6/2007	8/6/2013	8,504,917
Y01904US01	US	5/3/2010	CON	Method And System For Displaying Contextual Advertisements With Media	12/772,522	UTL	ISSUED	4/6/2007	7/10/2012	8,219,911
Y01904US00	US	4/6/2007	OTH	Method And System For Displaying Contextual Advertisements With Media	11/697,615	UTL	ISSUED	4/6/2007	6/15/2010	7,739,596
Y01902US01	US	2/8/2007	OTH	Context-Based Community-Driven Suggestions for Media Annotation	11/672,901	UTL	ISSUED	2/8/2007	6/15/2010	7,739,304
Y01902US00	US	2/5/2007	OTH	INTELLIGENT LOCATION-TO-CELL MAPPING USING ANNOTATED MEDIA	11/671,355	UTL	ISSUED	2/5/2007	11/8/2011	8,055,271

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01900US01	US	1/12/2007	FCA	Method and System for Creating and Applying Dynamic Media Specification Creator and Applicator	11/622,938	UTL	ABANDONED	1/13/2006		
Y01899US16D1	US	1/25/2008	OTH	Graphical User Interface for Displaying Content	29/302,875	DES	ABANDONED	4/10/2006		
Y01899US15D1	US	1/25/2008	OTH	Graphical User Interface for Displaying Content	29/302,873	DES	ABANDONED	4/10/2006		
Y01899US13	US	4/9/2007	FCA	User Interface For Editing Media Assets	11/786,016	UTL	ABANDONED	4/10/2006		
Y01899US11	US	4/9/2007	FCA	Video Generation Based On Aggregate User Data	11/784,918	UTL	ABANDONED	4/10/2006		
Y01899US10	US	4/9/2007	FCA	Client Side Editing Application For Optimizing Editing Of Media Assets Originating From Client And Server	11/784,843	UTL	ABANDONED	4/10/2006		
Y01899US08	US	1/12/2007	OTH	Method and System for Social Remixing of Media Content	11/622,968	UTL	ABANDONED	1/13/2006		
Y01899US06	US	1/12/2007	FCA	Method and System for Combining Edit Information with Media Content	11/622,957	UTL	ABANDONED	1/13/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01899US05	US	1/12/2007	FCA	Method and System for Recording Edits to Media Content	11/622,948	UTL	ABANDONED	1/13/2006		
Y01886US00	US	12/8/2006	OTH	Virtual Stock Market Service Based on Search Index	11/608,546	UTL	ABANDONED	10/19/2006		
Y01885US00	US	12/8/2006	OTH	Apparatus and Method for Providing Regional Information Based on Location	11/608,501	UTL	ABANDONED	10/18/2006		
Y01884US00	US	1/19/2007	OTH	Dynamic Combatting of Spam and Phishing Attacks	11/625,193	UTL	ISSUED	1/19/2007	6/26/2012	8,209,381
Y01872US02	US	7/17/2012	CON	PROVISIONING MY STATUS INFORMATION TO OTHERS IN MY SOCIAL NETWORK	13/551,431	UTL	ISSUED	12/22/2006	7/14/2015	9,083,794
Y01872US01	US	3/19/2010	CON	Provisioning My Status Information To Others In My Social Network	12/728,178	UTL	ISSUED	12/22/2006	7/10/2012	8,219,126
Y01872US00	US	12/22/2006	OTH	PROVISIONING MY STATUS INFORMATION TO OTHERS IN MY SOCIAL NETWORK	11/615,920	UTL	ISSUED	12/22/2006	7/17/2012	8,224,359
Y01870US00	US	11/22/2006	OTH	Methods, Systems and Apparatus for Delivery of Media	11/562,974	UTL	ABANDONED	11/22/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01866US03	US	1/26/2007	CON	SYSTEM FOR MONITORING A SERVICE PROVIDER PARTNER	11/698,676	UTL	ABANDONED	12/21/2006		
Y01866US01	US	1/26/2007	CON	SYSTEM FOR MONITORING A REVENUE GENERATOR	11/698,508	UTL	ABANDONED	12/21/2006		
Y01866US00	US	12/21/2006	OTH	SYSTEM FOR GENERATING SCORES RELATED TO INTERACTIONS WITH A REVENUE GENERATOR	11/644,586	UTL	ABANDONED	12/21/2006		
Y01863US00	US	11/2/2006	OTH	System and method for generating revenue for publishers of multimedia content over a network	11/591,948	UTL	ABANDONED	11/2/2006		
Y01861US01	US	11/12/2008	CON	Dynamically Constrained, Forward Scheduling Over Uncertain Workloads	12/269,879	UTL	ABANDONED	12/19/2006		
Y01859US00	US	11/29/2006	OTH	Client Based Online Fraud Prevention	11/606,825	UTL	ABANDONED	11/29/2006		
Y01858US01	US	10/31/2007	CON	Server assisted device independent markup language	11/933,082	UTL	ABANDONED	9/29/2006		
Y01855US00	US	12/18/2006	OTH	A Multi-Level Caching System	11/612,296	UTL	ABANDONED	12/18/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01854US00	US	12/20/2006	OTH	Providing Real Time Information in a Visual Information Unit	11/643,068	UTL	ABANDONED	12/20/2006		
Y01851US00	US	12/22/2006	OTH	System and Method for Recommended Events	11/615,544	UTL	ISSUED	12/22/2006	5/3/2011	7,937,380
Y01849US00	US	11/29/2006	OTH	Evaluation of fantasy players	11/606,717	UTL	ABANDONED	11/29/2006		
Y01847US01	US	1/11/2007	FCA	System and method for the visualization of sports information	11/622,329	UTL	ISSUED	9/7/2006	1/31/2012	8,108,795
Y01847US00	US	9/7/2006	NEW	System and Method for the Visualization of Sports Information	60/843,520	PRV	CONV PRV	9/7/2006		
Y01843US00	US	12/1/2006	OTH	METHODS FOR PROGRAMMING A PIN THAT IS MAPPED TO A SPECIFIC DEVICE AND METHODS FOR USING THE PIN	11/607,281	UTL	ABANDONED	12/1/2006		
Y01842US00	US	3/16/2007	OTH	Automated Recommendation of Targeting Criteria	11/725,020	UTL	ABANDONED	3/16/2007		
Y01840US01	US	12/20/2012	CON	System and Method for Selectively Displaying Web Page Elements	13/722,593	UTL	PUBLISHED	9/26/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01840US00	US	9/26/2007	OTH	System and Method for Selectively Displaying Web Page Elements	11/861,482	UTL	ISSUED	9/26/2007	1/1/2013	8,347,225
Y01835US00	US	12/5/2006	OTH	SEARCH CATEGORY COMMERCIALIZATION INDEX	11/567,145	UTL	ABANDONED	12/5/2006		
Y01834US00	US	11/3/2006	OTH	User Privacy Through One-Sided Cookies	11/592,793	UTL	ISSUED	11/3/2006	9/28/2010	7,805,608
Y01833US00	US	9/29/2006	OTH	EFFICIENT DOCUMENT PROCESSING WITH TEMPORARY INDEXING	11/537,601	UTL	ABANDONED	9/29/2006		
Y01818US00	US	9/29/2006	OTH	Tokenization of Mobile Device Information Using Virtual Dictionaries	11/537,507	UTL	ABANDONED	9/29/2006		
Y01812US00	US	9/29/2006	OTH	Platform For Rendering Content For A Remote Device	11/537,593	UTL	PUBLISHED	9/29/2006		
Y01811US00	US	9/29/2006	OTH	SYSTEM AND METHOD FOR MANAGING CONTENT FOR REMOTE CLIENT DEVICES	11/537,447	UTL	ABANDONED	9/29/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01810US00	US	12/8/2006	OTH	System and Method for Providing Customized Information Based on User's Situation Information	11/608,580	UTL	ABANDONED	10/27/2006		
Y01807US01	US	12/15/2006	OTH	System and Method for Adjusting Parameters of a Digital Ad and Third-Party Traffic Based on a Difference in Time Between Geographic Regions	11/639,803	UTL	ABANDONED	12/15/2006		
Y01806US00	US	12/20/2006	OTH	META-DATA DRIVEN DATA ACCESS SYSTEM	11/642,576	UTL	ABANDONED	12/20/2006		
Y01804US02	US	8/14/2007	OTH	User Interface To Browse Syndication Data Mixing Module Configurations	11/838,802	UTL	ABANDONED	8/14/2007		
Y01804US00	US	10/17/2006	OTH	SUPPLEMENTAL DISPLAY MATCHING USING SYNDICATION INFORMATION	11/550,307	UTL	ABANDONED	10/17/2006		
Y01799US02	US	11/17/2006	OTH	Collaborative-Filtering Content Model for Recommending Items	11/601,450	UTL	ISSUED	11/17/2006	9/1/2009	7,584,171

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01799US01	US	11/17/2006	OTH	Collaborative-Filtering Content Model for Recommending Items	11/601,447	UTL	ISSUED	11/17/2006	8/11/2009	7,574,422
Y01799US00	US	11/17/2006	OTH	Collaborative-Filtering Content Model for Recommending Items	11/601,449	UTL	ISSUED	11/17/2006	9/15/2009	7,590,616
Y01797US00	US	12/6/2006	OTH	TEXT-BASED INITIATED CALL BRIDGING	11/635,459	UTL	ABANDONED	12/6/2006		
Y01796US00	US	12/20/2006	OTH	System and Method for Indexing a Document that Includes a Misspelled Word	11/642,476	UTL	ABANDONED	12/20/2006		
Y01792US00	US	12/28/2006	OTH	Rich Media Engagement Market Targeting	11/647,965	UTL	ABANDONED	12/28/2006		
Y01791US00	US	12/22/2006	OTH	Method and Apparatus for Creating User-Generated Document Feedback to Improve Search Relevancy	11/644,671	UTL	ABANDONED	12/22/2006		
Y01790US00	US	12/15/2006	OTH	Meal Finder	11/640,069	UTL	ABANDONED	12/15/2006		
Y01789US00	US	12/22/2006	OTH	Player Streaks and Game Data Visualization	11/644,670	UTL	ISSUED	12/22/2006	3/11/2014	8,671,354

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01787US00	US	12/12/2006	OTH	CONFIGURING A SEARCH ENGINE RESULTS PAGE WITH ENVIRONMENT-SPECIFIC INFORMATION	11/638,061	UTL	ISSUED	12/12/2006	7/13/2010	7,756,903
Y01786US02	US	10/10/2012	CON	Selecting And Presenting Search Results Based On Distinct Taxonomies	13/649,087	UTL	ABANDONED	12/12/2006		
Y01783US00	US	12/15/2006	OTH	Serving Advertisements Using Entertainment Ratings in a Collaborative-Filtering System	11/640,160	UTL	ABANDONED	12/15/2006		
Y01776US00	US	11/28/2006	OTH	Aggregation Syndication Platform	11/605,810	UTL	ABANDONED	11/28/2006		
Y01774US00	US	12/28/2006	OTH	OPTIMIZATION FRAMEWORK FOR ASSOCIATION OF ADVERTISEMENTS WITH SEQUENTIAL MEDIA	11/646,970	UTL	ABANDONED	12/28/2006		
Y01773US00	US	1/19/2007	OTH	Dynamically Optimized Storage System for Online User Activities	11/655,675	UTL	ABANDONED	1/19/2007		
Y01765US01	US	12/12/2006	OTH	SYSTEM FOR OPTIMIZING THE PERFORMANCE OF A SMART ADVERTISEMENT	11/638,105	UTL	ABANDONED	12/12/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01765US00	US	12/12/2006	OTH	SMART ADVERTISEMENT GENERATING SYSTEM	11/638,106	UTL	ABANDONED	12/12/2006		
Y01764US00	US	12/5/2006	OTH	SYSTEMS AND METHODS FOR PROVIDING CONTACT INFORMATION OF RECOMMENDED JOBSEEKERS	11/567,166	UTL	ABANDONED	12/5/2006		
Y01761US00	US	12/11/2006	OTH	Systems And Methods For Providing Coupons	11/609,158	UTL	ABANDONED	12/11/2006		
Y01759US00	US	12/5/2006	OTH	Systems and Methods for Providing Contact Information of Searched Jobseekers	11/567,165	UTL	ABANDONED	12/5/2006		
Y01757US00	US	12/22/2006	OTH	ROTISSERIE FANTASY LEAGUE VISUALIZATION TOOLS	11/644,170	UTL	ABANDONED	12/22/2006		
Y01753US00	US	2/6/2007	OTH	Method and System for Representing an Exploration of Resources Over a Communication Network	11/671,837	UTL	ABANDONED	2/6/2007		
Y01752US00	US	12/22/2006	OTH	Hybrid Advertisement Pricing System and Method	11/615,521	UTL	ABANDONED	12/20/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01751US00	US	12/8/2006	OTH	Integrated Search Service System and Method	11/608,455	UTL	ABANDONED	12/8/2006		
Y01749US01	US	9/28/2006	OTH	Method and System for Posting Video	11/536,387	UTL	PUBLISHED	9/28/2006		
Y01747US00	US	10/26/2006	OTH	System and Method Using a Refresh Policy for Incremental Updating of Web Pages	11/588,022	UTL	ABANDONED	10/26/2006		
Y01745US01	US	9/12/2006	OTH	USER QUERY DATA MINING AND RELATED TECHNIQUES	11/531,245	UTL	ISSUED	9/12/2006	11/10/2009	7,617,208
Y01744US01	US	8/11/2006	OTH	Techniques For Searching Future Events	11/463,978	UTL	ISSUED	8/11/2006	2/23/2010	7,668,813
Y01736US01	US	12/1/2006	OTH	System and Method For Providing Semantic Captchas For Online Advertising	11/607,596	UTL	ABANDONED	12/1/2006		
Y01731US01	US	11/22/2006	OTH	Enabling display of a recipient list for a group text message	11/562,827	UTL	ISSUED	11/22/2006	6/12/2012	8,200,763
Y01730US02	US	11/29/2010	CON	EMPLOYING MATCHING OF EVENT CHARACTERISTICS TO SUGGEST ANOTHER CHARACTERISTIC OF AN EVENT	12/955,771	UTL	ABANDONED	3/20/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01728US02	US	8/19/2011	CON	Social Namespace Addressing for Non-Unique Identifiers	13/214,043	UTL	ISSUED	10/31/2006	11/15/2016	9,495,712
Y01728US01	US	10/31/2006	OTH	Social Namespace Addressing for Non-Unique Identifiers	11/555,247	UTL	ISSUED	10/31/2006	8/23/2011	8,006,190
Y01720US01	US	2/20/2007	OTH	System and method for customizing a user interface	11/676,728	UTL	ABANDONED	2/20/2007		
Y01718US01	US	3/6/2007	CEQ	Texture-Based Pornography Detection	11/715,051	UTL	ABANDONED	12/27/2006		
Y01717US01	US	11/30/2006	OTH	BIOINFORMATICS COMPUTATION USING A MAPREDUCE-CONFIGURED COMPUTING SYSTEM	11/564,983	UTL	ABANDONED	11/30/2006		
Y01714US01D1	US	3/24/2008	OTH	TRANSITIONAL USER INTERFACE FOR A COMPUTER DISPLAY	29/305,574	DES	ISSUED	3/24/2008	2/10/2009	D586,363
Y01712US01D2	US	3/4/2008	OTH	PORTION OF A COMPUTER SCREEN WITH A WINDOW OR A SET OF WINDOWS TO DISPLAY COMPUTER GENERATED IMAGERY	29/304,568	DES	ABANDONED	3/4/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01712US01D1	US	3/4/2008	OTH	PORTION OF A COMPUTER SCREEN WITH A WINDOW OR A SET OF WINDOWS TO DISPLAY COMPUTER GENERATED IMAGERY	29/304,574	DES	ABANDONED	3/4/2008		
Y01712US00	US	9/22/2006	NEW	Method and System for Presenting Video	11/534,591	UTL	ABANDONED	9/22/2006		
Y01711US00	US	12/15/2006	NEW	Systems And Methods For Providing A Video Playlist	11/611,783	UTL	ISSUED	12/15/2006	4/29/2014	8,713,439
Y01706US03	US	10/15/2008	CON	Tagboard for Video Tagging	12/252,023	UTL	ABANDONED	12/27/2006		
Y01706US02	US	3/12/2007	CEQ	Tagboard for Video Tagging	11/717,507	UTL	ABANDONED	12/27/2006		
Y01701US01	US	12/11/2006	OTH	GRAPHICAL MESSAGES	11/609,300	UTL	PUBLISHED	12/11/2006		
Y01700US01	US	12/11/2006	OTH	Systems and Methods for Creating Persistent Searches	11/609,191	UTL	ABANDONED	12/11/2006		
Y01698US01	US	8/29/2008	CON	Highlighting Results In The Results Page Based On Levels Of Trust	12/201,262	UTL	ABANDONED	10/25/2006		
Y01698US00	US	10/25/2006	NEW	HIGHLIGHTING RESULTS IN THE RESULTS PAGE BASED ON LEVELS OF TRUST	11/586,985	UTL	ABANDONED	10/25/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01694US01	US	3/6/2007	CEQ	Part-based pornography detection	11/715,155	UTL	ABANDONED	12/27/2006		
Y01691US00	US	11/15/2006	NEW	Geometric Tagging	11/600,347	UTL	ABANDONED	11/15/2006		
Y01689US01	US	11/15/2006	OTH	Rights Engine	11/560,320	UTL	ABANDONED	11/15/2006		
Y01685US01	US	2/27/2007	OTH	CONFIGURING SEARCHES	11/712,281	UTL	ABANDONED	2/27/2007		
Y01678US01	US	11/9/2006	OTH	System for Matching Users and Transportation Providers	11/595,115	UTL	ABANDONED	11/9/2006		
Y01669US01	US	10/27/2006	OTH	Validating Segmentation Criteria	11/553,585	UTL	ABANDONED	10/27/2006		
Y01667US00	US	3/9/2007	OTH	System and Method for Permutation Betting	11/716,217	UTL	ABANDONED	3/9/2007		
Y01663US00	US	6/29/2006	NEW	Messenger System for Publishing Podcasts	11/427,622	UTL	ABANDONED	6/29/2006		
Y01662US00	US	7/20/2007	NEW	Serving Advertisements with a Webpage Based on a Referrer Address of the Webpage	11/781,140	UTL	ABANDONED	7/20/2007		
Y01659US01	US	7/20/2007	NEW	System and Method to Facilitate Mapping and Storage of Data within One or More Data Taxonomies	11/781,176	UTL	ABANDONED	7/20/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01658US00	US	2/20/2007	NEW	Query Classification and Selection of Associated Advertising Information	11/708,273	UTL	ABANDONED	2/20/2007		
Y01654US00	US	12/20/2006	NEW	Diversifying A Set Of Items	11/643,473	UTL	ABANDONED	12/20/2006		
Y01652US02	US	2/5/2007	CEQ	AUTOMATIC ONLINE FORM FILLING USING SEMANTIC INFERENCE	11/702,848	UTL	ABANDONED	11/20/2006		
Y01649US02	US	3/27/2014	CON	Interface Overlay	14/227,285	UTL	PUBLISHED	12/28/2006		
Y01649US01	US	12/28/2006	OTH	Interface Overlay	11/617,283	UTL	ISSUED	12/28/2006	4/22/2014	8,706,169
Y01645US02	US	6/24/2009	CON	Social Knowledge System Content Quality	12/491,133	UTL	ISSUED	10/18/2006	1/4/2011	7,865,452
Y01645US01	US	10/18/2006	OTH	Social Knowledge System Content Quality	11/583,464	UTL	ISSUED	10/18/2006	8/4/2009	7,571,145
Y01644US03	US	4/10/2012	DIV	Statistical Credibility Metric for Online Question Answerers	13/443,834	UTL	PUBLISHED	10/18/2006		
Y01644US02	US	4/10/2012	DIV	Statistical Credibility Metric for Online Question Answerers	13/443,825	UTL	ISSUED	10/18/2006	3/18/2014	8,676,634
Y01644US01	US	10/18/2006	OTH	Statistical Credibility Metric for Online Question Answerers	11/583,413	UTL	ISSUED	10/18/2006	4/10/2012	8,155,998

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01636US01	US	12/11/2006	OTH	AUTOMATICALLY GENERATING A CONTENT-BASED QUALITY METRIC FOR DIGITAL IMAGES	11/637,422	UTL	ISSUED	12/11/2006	11/2/2010	7,826,657
Y01635US01	US	10/31/2006	OTH	IDENTITY AND PREFERENCE MANAGEMENT VIA UNIVERSAL IDENTIFIER	11/590,520	UTL	ABANDONED	10/31/2006		
Y01634US01	US	10/18/2006	OTH	INSTANT MESSAGING SYSTEM CONFIGURED TO FACILITATE EVENT PLAN MANAGEMENT	11/550,722	UTL	ISSUED	10/18/2006	10/26/2010	7,822,822
Y01631US01	US	12/12/2006	OTH	System and Method for Matching Objects Belonging to Hierarchies	11/637,524	UTL	ABANDONED	12/12/2006		
Y01630US01	US	11/3/2006	OTH	System and Method for Predicting a Casing Variation of a Term	11/592,898	UTL	ABANDONED	11/3/2006		
Y01629US01	US	11/3/2006	OTH	System and Method for Predicting a Displayable Form of a Term	11/592,615	UTL	ABANDONED	11/3/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01622US02	US	8/17/2011	CON	Interactive Graphical Interface Including a Streaming Media Component and Method and System of Producing the Same	13/211,833	UTL	ISSUED	2/19/2004	2/28/2017	9,582,818
Y01622US01	US	2/19/2004	FCA	Interactive Graphical Interface Including a Streaming Media Component and Method and System of Producing the Same	10/782,466	UTL	ISSUED	2/19/2004	9/27/2011	8,028,233
Y01622US00	US	5/2/2003	NEW	Interactive Graphical Interface Including a Streaming Media Component and Method and System of Producing the Same	60/467,447	PRV	CONV PRV	5/2/2003		
Y01621US04	US	6/21/2002	CIP	Method and system of facilitating automatic login to a web site using an internet browser	10/177,501	UTL	ABANDONED	10/28/1998		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01621US02	US	11/1/2001	CIP	Method and system of facilitating on-line shopping using an internet browser	10/015,816	UTL	ABANDONED	10/28/1999		
Y01618US00	US	7/17/2006	OTH	Anti-Phishing for Client Devices	11/458,048	UTL	ABANDONED	7/17/2006		
Y01617US01	US	6/5/2003	FCA	Method And System For Providing A Dynamically Changing Advertisement	10/456,742	UTL	ABANDONED	6/5/2002		
Y01617US00	US	6/5/2002	NEW	METHOD AND SYSTEM FOR PROVIDING A DYNAMICALLY CHANGING ADVERTISEMENT	60/386,268	PRV	CONV PRV	6/5/2002		
Y01615US01	US	2/27/2004	FCA	System and Method for Monitoring Delivery of Digital Content, including Streaming Media	10/789,644	UTL	ISSUED	7/31/2003	5/13/2008	7,373,415
Y01615US00	US	7/31/2003	NEW	System and method for monitoring delivery of digital content, including streaming media	60/491,770	PRV	CONV PRV	7/31/2003		
Y01614US01	US	4/29/2003	DCA	METHOD AND SYSTEM FOR PRODUCING AND ADMINISTERING A WEBCAST EVENT	10/415,547	UTL	ABANDONED	2/13/2001		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01614US00	US	2/13/2001	NEW	METHOD AND SYSTEM FOR PRODUCING AND ADMINISTERING A WEBCAST EVENT	60/268,514	PRV	CONV PRV	2/13/2001		
Y01613US00	US	12/4/2001	NEW	METHOD AND SYSTEM FOR PROVIDING LISTENER REQUESTED MUSIC OVER A NETWORK	60/337,120	PRV	CONV PRV	12/4/2001		
Y01611US00	US	5/16/2001	NEW	Method and system for delivering a composite information stream over a computer network	09/859,562	UTL	ABANDONED	5/16/2001		
Y01606US06	US	3/16/2007	OTH	System and method of serving advertisements for web applications	11/724,717	UTL	ABANDONED	3/16/2007		
Y01595US04	US	3/12/2010	CON	Targeted e-commerce system	12/723,071	UTL	ABANDONED	8/1/2000		
Y01595US00	US	8/1/2000	NEW	Targeted E-Commerce System	09/630,227	UTL	ABANDONED	8/1/2000		
Y01590US00	US	9/3/2003	NEW	Method for Automatically Identifying Required Job Skills	60/500,176	PRV	CONV PRV	9/3/2003		
Y01585US01	US	11/17/2006	CON	Methods and Apparatus for Measuring the Effect of Online Advertising on Online User Behavior	11/601,273	UTL	ABANDONED	5/4/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01585US00	US	5/4/2006	NEW	Methods and Apparatus for Measuring the Effect of Online Advertising on Online User Behavior	11/418,482	UTL	ABANDONED	5/4/2006		
Y01584US01	US	12/1/2006	OTH	System and Method for Measuring Awareness of Online Advertising Using Captchas	11/607,579	UTL	ABANDONED	12/1/2006		
Y01583US01	US	9/28/2006	OTH	COMMUNICATING ONLINE PRESENCE AND MOOD	11/536,469	UTL	ABANDONED	9/28/2006		
Y01580US01	US	9/18/2003	FCA	Real Time Photo Album Sharing	10/666,550	UTL	ABANDONED	8/7/2003		
Y01580US00	US	8/7/2003	NEW	Interactive Photo Viewing	60/493,528	PRV	CONV PRV	8/7/2003		
Y01579US02	US	9/4/2003	CON	Adaptive Traffic Bypassing in an Intercepting Network Driver	10/655,926	UTL	ABANDONED	9/28/1998		
Y01574US00	US	11/7/2006	NEW	Expanding Search Query Input Box To Support Liveseach Interaction	11/594,593	UTL	ABANDONED	11/7/2006		
Y01568US01	US	12/1/2006	OTH	System and Method for Delivering Online Advertisements Using Captchas	11/607,782	UTL	ABANDONED	12/1/2006		
Y01567US02	US	9/21/2007	CON	System and Method for Ranking Items	11/859,473	UTL	ABANDONED	1/18/2000		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01567US01	US	1/18/2001	FCA	SYSTEM AND METHOD FOR RANKING ITEMS	09/765,270	UTL	ABANDONED	1/18/2000		
Y01567US00	US	1/18/2000	NEW	SYSTEM AND METHOD FOR RANKING ITEMS	60/177,044	PRV	CONV PRV	1/18/2000		
Y01563US01	US	12/14/2006	OTH	AUTOMATED IDENTIFICATION AND TAGGING OF PAGES SUITABLE FOR SUBSEQUENT DISPLAY WITH A MOBILE DEVICE	11/611,031	UTL	ABANDONED	8/4/2006		
Y01559US02	US	12/19/2006	OTH	Methods of Detecting and Avoiding Fraudulent Internet-Based Advertisement Viewings	11/642,098	UTL	ABANDONED	12/19/2006		
Y01553US01	US	12/28/2006	OTH	System for Creating Media Objects Including Advertisements	11/646,881	UTL	ABANDONED	12/28/2006		
Y01552US01	US	11/30/2006	OTH	INSTANT ANSWERING	11/565,594	UTL	ABANDONED	11/30/2006		
Y01543US01	US	9/6/2006	OTH	Video Channel Creation Systems and Methods	11/517,495	UTL	ISSUED	9/6/2006	10/12/2010	7,814,513
Y01541US00	US	8/11/2006	NEW	Concept Learning System and Method	11/502,949	UTL	ABANDONED	8/11/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01540US00	US	8/2/2006	NEW	System And Method For Forecasting The Performance Of Advertisements Using Fuzzy Systems	11/498,638	UTL	ABANDONED	8/2/2006		
Y01534US00	US	4/28/2006	NEW	System and Method for Forecasting the Performance of Advertisements	11/414,516	UTL	ABANDONED	4/28/2006		
Y01531US00	US	12/4/2006	OTH	DETERMINING ADVERTISEMENT PLACEMENT ON SEARCH RESULTS PAGE TO IMPROVE REVENUE GENERATION	11/566,566	UTL	ABANDONED	12/4/2006		
Y01529US00	US	9/1/2006	NEW	User-Converted Media Marketplace	11/514,413	UTL	ABANDONED	9/1/2006		
Y01528US01	US	11/6/2006	OTH	CONTEXT SERVER FOR ASSOCIATING INFORMATION WITH A MEDIA OBJECT BASED ON CONTEXT	11/593,668	UTL	ABANDONED	11/6/2006		
Y01526US01	US	12/26/2006	FCA	Method and System for Monitoring and Moderating Files on a Network	11/616,166	UTL	ABANDONED	2/17/2006		
Y01524US01	US	12/26/2006	FCA	Method and System for Selling Rights in Files on a Network	11/616,155	UTL	ABANDONED	2/17/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01518US01	US	12/26/2006	FCA	Method and System for Managing Pricing Structures and Delivery Channels for Rights in Files on a Network	11/616,190	UTL	ABANDONED	2/17/2006		
Y01517US01	US	12/26/2006	FCA	Method and System for Suggesting Prices for Rights in Files on a Network	11/616,199	UTL	ABANDONED	2/17/2006		
Y01510US01	US	8/10/2006	OTH	Managing Responses To Extended Interviews To Enable Profiling Of Mobile Device Users	11/463,859	UTL	ABANDONED	8/10/2006		
Y01508US01	US	12/21/2006	OTH	Targeted Short Messaging Service Advertisements	11/643,085	UTL	ABANDONED	12/21/2006		
Y01507US02	US	9/22/2010	CON	Keyword set and target audience profile generalization techniques	12/888,256	UTL	ABANDONED	5/31/2006		
Y01506US02	US	10/25/2006	CIP	Method and Apparatus for Tagging Data	11/586,068	UTL	ABANDONED	9/20/2005		
Y01506US00	US	9/20/2005	NEW	System and Method for Selecting Advertising	11/231,337	UTL	ABANDONED	9/20/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01504US00	US	12/21/2007	OTH	AUTOMATED LEARNING FROM A QUESTION AND ANSWERING NETWORK OF HUMANS	11/962,766	UTL	ISSUED	12/21/2007	10/5/2010	7,809,664
Y01495US01	US	12/11/2006	OTH	System and Method for Clustering Using Indexes for a Matrix	11/637,542	UTL	ABANDONED	12/11/2006		
Y01490US01	US	8/16/2006	OTH	System and Method for Hierarchical Segmentation of Websites by Topic	11/505,010	UTL	ABANDONED	8/16/2006		
Y01485US00	US	1/5/2007	OTH	Time Blocks and Customizable Time Blocks	11/650,283	UTL	ABANDONED	1/5/2007		
Y01484US02	US	10/26/2006	OTH	System and Method for Providing a Change Profile of a Web Page	11/588,019	UTL	ABANDONED	10/26/2006		
Y01481US02	US	7/7/2006	OTH	System and Method for Generalization Search in Hierarchies	11/483,047	UTL	ABANDONED	7/7/2006		
Y01480US00	US	12/7/2006	OTH	KNOWLEDGE AND INTERESTS BASED SEARCH TERM RANKING FOR SEARCH RESULTS VALIDATION	11/567,937	UTL	ABANDONED	12/7/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01479US01	US	7/31/2006	NEW	System and Method For Optimizing Throttle Rates Of Bidders In Online Keyword Auctions Subject To Budget Constraints	11/497,110	UTL	ABANDONED	7/31/2006		
Y01476US01	US	10/18/2006	OTH	System and Method for Classifying Search Queries	11/583,495	UTL	ABANDONED	10/18/2006		
Y01474US01	US	9/12/2006	OTH	System and Method for Optimizing Advertisement Auctions By Applying Linear Programming Using Special Ordered Sets	11/520,304	UTL	ABANDONED	9/12/2006		
Y01470US01	US	7/2/2008	CON	System and Method for Generating Graphical Advertisements Based on Text Offers	12/166,981	UTL	ABANDONED	6/28/2006		
Y01470US00	US	6/28/2006	NEW	System and Method for Generating Graphical Advertisements Based on Text Offers	11/476,324	UTL	ABANDONED	6/28/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01469US00	US	6/26/2006	NEW	Method and System for Counting Advertisement Impressions in Cached Webpage Content in a Client-Side Counting System	11/475,367	UTL	ABANDONED	6/26/2006		
Y01467US02	US	2/12/2007	OTH	PATH INDEXING FOR NETWORK DATA	11/673,864	UTL	ABANDONED	2/12/2007		
Y01466US01	US	6/6/2006	OTH	Mail Application With Integrated Text Messaging Functionality	11/422,540	UTL	ABANDONED	6/6/2006		
Y01459US00	US	6/26/2006	NEW	Method and System for Consolidating Beacon Requests in a Client-Side Counting System	11/475,368	UTL	ABANDONED	6/26/2006		
Y01456US00	US	6/26/2006	NEW	Method and System for Authenticating Beacon Requests in a Client-Side Counting System	11/475,371	UTL	ABANDONED	6/26/2006		
Y01455US00	US	4/28/2006	FCA	Application Program Interface for Customizing Reports on Advertiser Defined Groups of Advertisement Campaign Information (PANAMA)	11/413,536	UTL	ABANDONED	7/29/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01454US00	US	4/28/2006	FCA	Application Program Interface for Optimizing Advertiser Defined Groups of Advertisement Campaign Information (PANAMA)	11/413,221	UTL	ABANDONED	7/29/2005		
Y01452US01	US	4/6/2009	CON	System and Method for Determining Semantically Related Terms	12/419,141	UTL	ABANDONED	5/11/2006		
Y01451US00	US	4/28/2006	FCA	System and Method for Creating and Providing a User Interface for Customizing Reports on Advertiser Defined Groups of Advertisement Campaign Information (PANAMA)	11/413,222	UTL	ABANDONED	7/29/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01449US00	US	4/28/2006	FCA	System and Method for Creating and Providing a User Interface for Managing Advertiser Defined Groups of Advertisement Campaign Information (PANAMA)	11/413,383	UTL	ABANDONED	7/29/2005		
Y01448US01	US	9/29/2006	OTH	Platform for user discovery experience	11/529,841	UTL	ABANDONED	9/29/2006		
Y01446US01	US	12/19/2006	OTH	Method And System For Providing Playlist Recommendations	11/612,884	UTL	ABANDONED	12/19/2006		
Y01440US01	US	6/15/2006	OTH	User Activity Rating	11/424,334	UTL	ABANDONED	6/15/2006		
Y01437US02	US	5/15/2008	CON	Systems And Methods For Receiving And Sponsoring Media Content	12/120,952	UTL	ABANDONED	10/20/2006		
Y01435US02	US	4/16/2009	CON	Browser Interpretable Document For Controlling A Plurality Of Media Players And Systems And Methods Related Thereto	12/425,199	UTL	ABANDONED	3/20/2007		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01435US01	US	3/20/2007	OTH	Browser Interpretable Document For Controlling A Plurality Of Media Players And Systems And Methods Related Thereto	11/688,657	UTL	ABANDONED	3/20/2007		
Y01434US02	US	6/16/2006	OTH	A system and method for creating an affinity between persons and an online entity	11/454,204	UTL	ABANDONED	6/16/2006		
Y01434US01	US	6/16/2006	OTH	A System And Method for Use In A Multi-team Game	11/454,471	UTL	ABANDONED	6/16/2006		
Y01430US01	US	7/31/2006	OTH	System and method for scheduling online keyword subject to budget constraints	11/497,085	UTL	ABANDONED	7/31/2006		
Y01421US01	US	10/27/2006	OTH	Identifying Web Spam Using Query Diversity In Search Results	11/588,620	UTL	ABANDONED	10/27/2006		
Y01420US01	US	10/25/2006	OTH	IDENTIFYING WEB SPAM USING CHANGES IN SEARCH RESULT RANKINGS OVER TIME	11/586,854	UTL	ABANDONED	10/25/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01419US01	US	6/29/2006	OTH	MONETIZATION OF CHARACTERISTIC VALUES PREDICTED USING NETWORK-BASED SOCIAL TIES	11/427,741	UTL	ABANDONED	6/29/2006		
Y01415US01	US	1/20/2011	CON	Incremental Update of Long-Term and Short-Term User Profile Scores in a Behavioral Targeting System	13/010,605	UTL	ABANDONED	3/29/2006		
Y01413US00	US	3/29/2006	NEW	Generating a Degree of Interest in User Profile Scores in a Behavioral Targeting System	11/394,353	UTL	ABANDONED	3/29/2006		
Y01404US01	US	9/8/2006	OTH	REPUBLICAN GROUP EVENT DATA	11/517,972	UTL	ABANDONED	9/8/2006		
Y01401US00	US	3/28/2006	NEW	ASSOCIATING USER-DEFINED TAGS WITH EVENT RECORDS IN AN EVENTS REPOSITORY	11/392,425	UTL	ABANDONED	3/28/2006		
Y01397US00	US	3/10/2006	NEW	System and Method for Providing Transaction Support Across a Plurality of Data Structures	11/373,041	UTL	ABANDONED	3/10/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01394US01	US	3/27/2006	OTH	System and Method for Clustering Content From Content Feeds	11/389,999	UTL	ABANDONED	3/27/2006		
Y01391US01	US	12/19/2006	OTH	Systems for Defining a Declarative Language	11/641,648	UTL	ABANDONED	12/19/2006		
Y01390US01	US	5/26/2006	OTH	Aggregation Of Affinity Lists	11/420,554	UTL	ABANDONED	5/26/2006		
Y01389US07	US	7/30/2007	CON	System for displaying the advertising performance of a revenue generator for each mobile carrier in a plurality of mobile carriers	11/830,431	UTL	ABANDONED	3/6/2006		
Y01389US04	US	7/30/2007	CON	SYSTEM FOR DYNAMICALLY GENERATING A MOBILE PAGE RELATED TO A REVENUE GENERATOR AND FORMATTED FOR DISPLAY ON A MOBILE DEVICE OF A MOBILE CARRIER	11/830,307	UTL	ABANDONED	3/6/2006		
Y01389US01	US	2/28/2007	FCA	SYSTEM FOR SERVING ADVERTISEMENTS OVER MOBILE DEVICES	11/712,276	UTL	ABANDONED	3/6/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01388US00	US	12/31/2006	OTH	Dynamic Load Balancing Architecture	11/648,028	UTL	ABANDONED	12/31/2006		
Y01387US00	US	3/2/2006	NEW	Providing Syndicated Media To Authorized Users	11/367,232	UTL	ABANDONED	3/2/2006		
Y01383US03	US	11/20/2006	OTH	GUIDED CLUSTER ATTRIBUTE SELECTION	11/561,779	UTL	ABANDONED	11/20/2006		
Y01381US01	US	4/10/2007	OTH	System and method for understanding relationships between keywords and advertisements	11/733,630	UTL	ABANDONED	4/10/2007		
Y01380US01	US	8/11/2006	OTH	QUANTITATIVE ANALYSIS OF WEB PAGE CLUTTER THAT ACCOUNTS FOR SUBJECTIVE PREFERENCES	11/464,146	UTL	ABANDONED	8/11/2006		
Y01378US01	US	12/22/2006	OTH	Publisher scoring	11/644,127	UTL	PUBLISHED	12/22/2006		
Y01370US02	US	4/16/2012	CON	Zero-Click Activation of An Application	13/447,856	UTL	ISSUED	9/27/2006	2/17/2015	8,957,854
Y01370US01	US	9/27/2006	OTH	Zero-Click Activation of An Application	11/535,588	UTL	ISSUED	9/27/2006	4/17/2012	8,159,457
Y01366US01	US	5/18/2006	OTH	CONTROLLED STUDY OF SPONSORED SEARCH	11/419,107	UTL	ABANDONED	5/18/2006		
Y01365US01	US	5/31/2006	OTH	Automated Responder Targeting	11/421,191	UTL	ABANDONED	5/31/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01364US01	US	4/13/2006	OTH	Techniques For Measuring User Engagement	11/404,493	UTL	ABANDONED	4/13/2006		
Y01362US00	US	3/29/2006	NEW	User Status Control or a Messaging Interface	11/394,034	UTL	ABANDONED	3/29/2006		
Y01350US01	US	2/28/2006	FCA	Progressive Loading	11/364,992	UTL	ABANDONED	2/6/2006		
Y01350US00	US	2/6/2006	NEW	Progressive Loading	60/765,990	PRV	CONV PRV	2/6/2006		
Y01348US01	US	5/10/2006	FCA	A Persistent Photo Tray	11/432,037	UTL	ISSUED	2/6/2006	7/14/2009	7,562,311
Y01348US00	US	2/6/2006	NEW	A Persistent Photo Tray	60/771,154	PRV	CONV PRV	2/6/2006		
Y01346US04D1	US	10/15/2007	OTH	DISPLAY PANEL WITH GRAPHICAL USER INTERFACE FOR NAVIGATING CONTENT	29/296,164	DES	ISSUED	10/15/2007	7/7/2009	D595,728
Y01346US03	US	8/11/2006	FCA	Instant Messenger Alerts and Organization Systems	11/503,049	UTL	ABANDONED	2/3/2006		
Y01346US02	US	8/11/2006	FCA	Content Structures and Content Navigation Interfaces	11/502,680	UTL	ISSUED	2/3/2006	1/30/2018	9,880,702
Y01346US01	US	8/11/2006	FCA	Content Navigation Interfaces and Associated Methods	11/502,758	UTL	ABANDONED	2/3/2006		
Y01346US00	US	2/3/2006	NEW	User Interface Systems and Methods	60/765,224	PRV	CONV PRV	2/3/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01344US00	US	11/20/2006	NEW	System and method for enabling flash playback MP3 files available on a web page	11/602,450	UTL	ABANDONED	11/20/2006		
Y01342US00	US	6/12/2006	NEW	System and method for bookmarking and auto-tagging a content item based on file type	11/452,127	UTL	ABANDONED	6/12/2006		
Y01341US02	US	6/14/2016	CON	System And Method For Searching A Bookmark And Tag Database For Relevant Bookmarks	15/181,586	UTL	PUBLISHED	7/28/2006		
Y01332US00	US	3/20/2006	NEW	Limited and combined podcast subscriptions	11/385,489	UTL	ABANDONED	3/20/2006		
Y01331US00	US	4/18/2006	NEW	Publishing scheduler for online content feeds	11/406,894	UTL	ABANDONED	4/18/2006		
Y01330US00	US	9/26/2006	NEW	Talent Identification System and Method	11/535,248	UTL	ABANDONED	9/26/2006		
Y01327US00	US	2/2/2006	NEW	Syndicated Ratings and Reviews	11/347,624	UTL	PUBLISHED	2/2/2006		
Y01325US01	US	2/13/2006	OTH	Time Synchronization of Digital Media	11/353,657	UTL	ABANDONED	2/13/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01324US01	US	5/19/2006	OTH	Summarization of Media Object Collections	11/437,344	UTL	ISSUED	5/19/2006	11/29/2016	9,507,778
Y01321US01	US	4/6/2006	OTH	Interface for editing, binding, and displaying an annotation for a message	11/398,831	UTL	ABANDONED	4/6/2006		
Y01320US00	US	10/31/2005	NEW	Methods for Displaying Dynamic Suggestions in a User Interface	11/263,683	UTL	ABANDONED	10/31/2005		
Y01317US00	US	2/7/2006	NEW	AGGREGATING AND PRESENTING INFORMATION ON THE WEB	11/350,401	UTL	ABANDONED	2/7/2006		
Y01313US01	US	8/4/2006	OTH	ANTI-PHISHING AGENT	11/462,665	UTL	ABANDONED	8/4/2006		
Y01307US00	US	4/29/2006	NEW	System and Method Using Flat Clustering for Evolutionary Clustering Of Sequential Data Sets	11/414,460	UTL	ABANDONED	4/29/2006		
Y01306US00	US	7/27/2006	NEW	System and Method For Population-Targeted Advertising	11/495,269	UTL	ISSUED	7/27/2006	5/28/2013	8,452,832
Y01305US00	US	10/14/2005	NEW	Interactive Mapping Method and System	60/727,206	PRV	CONV PRV	10/14/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01302US02	US	4/13/2012	CON	Targeting of Advertisements Based on Mutual Information Sharing Between Devices Over a Network	13/446,753	UTL	ABANDONED	10/3/2006		
Y01302US01	US	11/17/2006	CON	Targeting of advertisements based on mutual information sharing between devices over a network	11/601,274	UTL	ABANDONED	10/3/2006		
Y01302US00	US	10/3/2006	NEW	Targeting of Advertisements Based on Mutual Information Sharing Between Devices Over a Network	11/542,874	UTL	ISSUED	10/3/2006	5/15/2012	8,180,674
Y01301US00	US	10/11/2006	NEW	Contextual Banner Advertising	11/546,112	UTL	ABANDONED	10/11/2006		
Y01299US00	US	3/31/2006	NEW	Targeting of Buzz Advertising Information Architecture For An Advertisement Delivery System	11/394,819	UTL	ABANDONED	3/31/2006		
Y01290US06	US	7/18/2006	CON		11/489,386	UTL	ABANDONED	7/29/2005		
Y01290US01	US	8/21/2006	CON	API for Maintenance and Delivery of Advertising Content	11/508,018	UTL	ABANDONED	12/30/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01288US00	US	12/19/2005	NEW	Method Using Query Processing Servers for Query Processing of Column Chunks in a Distributed Column Chunk Data Store	11/305,915	UTL	ABANDONED	12/19/2005		
Y01282US02	US	2/15/2010	CON	Matching and Ranking of Sponsored Search Listings Incorporating Web Search Technology and Web Content	12/705,882	UTL	ABANDONED	1/18/2005		
Y01276US07	US	5/15/2006	CIP	Multiple Sidebar Module Open Status	11/433,993	UTL	ABANDONED	1/4/2006		
Y01276US06	US	5/15/2006	CIP	Sidebar Photos	11/433,992	UTL	ABANDONED	1/4/2006		
Y01276US04	US	5/15/2006	CIP	Sidebar information sharing	11/434,272	UTL	ABANDONED	1/4/2006		
Y01276US02	US	1/9/2006	CON	Whole Module Items In A Sidebar	11/328,332	UTL	ABANDONED	1/4/2006		
Y01276US00	US	1/4/2006	NEW	Network user database for a sidebar	11/326,137	UTL	ABANDONED	1/4/2006		
Y01275US00	US	1/4/2006	NEW	Synchronizing Image Data Among Applications and Devices	11/325,830	UTL	ISSUED	1/4/2006	6/14/2016	9,367,832
Y01269US01	US	3/7/2006	FCA	Method For Displaying Search Results And Contextually Related Items	11/370,315	UTL	ABANDONED	12/29/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01265US00	US	2/26/2007	OTH	EDITABLE USER INTERESTS PROFILE	11/710,879	UTL	ABANDONED	2/26/2007		
Y01263US15	US	5/3/2006	CIP	Pushing Podcasts to Mobile Devices	11/417,610	UTL	ABANDONED	9/30/2005		
Y01263US14	US	2/17/2006	FCA	PICTURE TAGGING	11/357,256	UTL	ABANDONED	9/30/2005		
Y01263US13	US	2/2/2006	FCA	System for Associating an Advertisement Marker with a Media File	11/347,625	UTL	ABANDONED	9/30/2005		
Y01263US12	US	6/19/2006	FCA	Method and System for Using Smart Tags and a Recommendation Engine Using Smart Tags	11/424,966	UTL	ABANDONED	9/30/2005		
Y01263US11	US	2/2/2006	FCA	Systems for Inserting Advertisements into a Podcast	11/347,046	UTL	ABANDONED	9/30/2005		
Y01263US10	US	2/2/2006	FCA	Automatically Matching Advertisements To Media Files	11/347,626	UTL	ABANDONED	9/30/2005		
Y01263US07	US	1/27/2006	FCA	FILEMARKING PRE-EXISTING MEDIA FILES USING LOCATION TAGS	11/341,985	UTL	ABANDONED	9/30/2005		
Y01263US06	US	1/27/2006	FCA	Generating A Stream Of Media Data Containing Portions Of Media Files Using Location Tags	11/341,982	UTL	ABANDONED	9/30/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01263US05	US	1/27/2006	FCA	A SERVER-BASED SYSTEM AND METHOD FOR RETRIEVING TAGGED PORTIONS OF MEDIA FILE	11/342,152	UTL	ABANDONED	9/30/2005		
Y01263US04	US	1/27/2006	FCA	Using Location Tags to Render Tagged Portions of Media File	11/341,976	UTL	ABANDONED	9/30/2005		
Y01263US03	US	1/27/2006	FCA	Identifying portions within media files with location tags	11/341,065	UTL	ABANDONED	9/30/2005		
Y01263US01	US	12/14/2005	OTH	SUBSCRIPTION CONTROL PANEL	60/750,724	PRV	CONV PRV	9/30/2005		
Y01263US00	US	9/30/2005	NEW	Delivering Media Via Subscription Over A Network	60/722,600	PRV	CONV PRV	9/30/2005		
Y01261US00	US	8/3/2006	NEW	Techniques For Approximating The Visual Layout Of A Web Page And Determining The Portion Of The Page Containing The Significant Content	11/499,181	UTL	ABANDONED	8/3/2006		
Y01256US00	US	12/13/2005	NEW	System and Method for Geo-Coding Using Spatial Geometry	11/314,191	UTL	ABANDONED	12/13/2005		
Y01249US00	US	11/4/2004	CEQ	Geographical location indexing	10/982,629	UTL	ABANDONED	7/5/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01248US00	US	10/7/2003	CEQ	Method of determining a likely geographical location	10/680,495	UTL	ISSUED	8/13/2003	10/2/2012	8,280,624
Y01247US00	US	6/3/2004	NEW	A method of providing location based information	10/861,265	UTL	ISSUED	6/3/2004	11/30/2010	7,844,283
Y01246US02	US	7/3/2007	CON	Geographical Location Extraction	11/773,212	UTL	ISSUED	12/22/2003	12/7/2010	7,849,071
Y01246US01	US	12/22/2003	NEW	Method of determining geographical location from IP address information	10/745,094	UTL	ISSUED	12/22/2003	7/6/2010	7,752,210
Y01246US00	US	12/22/2003	NEW	Geographical Location Extraction	10/745,093	UTL	ISSUED	12/22/2003	8/14/2007	7,257,570
Y01235US01	US	11/9/2006	FCA	System and method for generating substitutable queries	11/598,239	UTL	ABANDONED	11/9/2005		
Y01233US01	US	3/23/2006	OTH	Consecutive Crawling to Identify Transient Links	11/388,681	UTL	ABANDONED	3/23/2006		
Y01232US01	US	5/1/2006	FCA	Video Search Engine Using Joint Categorization of Video Clips and Queries Based on Multiple Modalities	11/415,838	UTL	ABANDONED	5/1/2006		
Y01231US01	US	2/3/2006	NEW	Sports Player Ranker	11/347,517	UTL	ABANDONED	2/3/2006		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01230US01	US	10/27/2006	OTH	Integration of Personalized Fantasy Data with General Sports Content	11/589,005	UTL	ABANDONED	10/27/2006		
Y01229US02	US	11/22/2006	CIP	Player Roster Selection Interface	11/603,496	UTL	ISSUED	4/18/2006	1/31/2012	8,105,159
Y01229US01	US	4/18/2006	OTH	Player Roster Selection Interface	11/406,663	UTL	ISSUED	4/18/2006	6/26/2012	8,206,214
Y01228US02	US	7/28/2006	OTH	Fantasy Sports Agent	11/495,074	UTL	ISSUED	7/28/2006	10/29/2013	8,568,236
Y01228US01	US	7/28/2006	OTH	Fantasy Sports Alert Generator	11/495,087	UTL	ISSUED	7/28/2006	3/26/2013	8,403,756
Y01227US00	US	11/10/2005	NEW	Word Sense Disambiguation	11/270,917	UTL	ABANDONED	11/10/2005		
Y01218US02	US	10/29/2007	DIV	Method and System of Interpreting and Presenting Web content Using a Voice Browser	11/926,915	UTL	ABANDONED	8/21/2000		
Y01218US01	US	8/21/2001	FCA	Method and System of Interpreting and Presenting Web content Using a Voice Browser	09/933,956	UTL	ABANDONED	8/21/2000		
Y01218US00	US	8/21/2000	NEW	Method and System of Interpreting and Presenting Web content Using a Voice Browser	60/226,611	PRV	CONV PRV	8/21/2000		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01199US01	US	6/2/2006	OTH	COMBINING SELECTED AUDIO DATA WITH A VOIP STREAM FOR COMMUNICATION OVER A NETWORK	11/422,041	UTL	ABANDONED	6/2/2006		
Y01198US01	US	11/15/2005	OTH	EFFICIENTLY DETECTING ABNORMAL CLIENT TERMINATION	11/274,432	UTL	ABANDONED	11/15/2005		
Y01197US01D2	US	7/8/2009	DIV	A Display Panel Displaying Web Browser Content and Controls	29/339,843	DES	ABANDONED	4/25/2006		
Y01197US01D1	US	6/11/2007	OTH	A Display Panel Displaying Web Browser Content and Controls	29/288,435	DES	ABANDONED	4/25/2006		
Y01197US01	US	4/25/2006	OTH	Inactivity Based Content Switching	11/411,255	UTL	ABANDONED	4/25/2006		
Y01195US06	US	7/10/2008	CON	Clickable Map Interface for Product Inventory	12/171,030	UTL	ABANDONED	10/31/2005		
Y01195US02	US	10/31/2005	OTH	System for Selecting Categories in Accordance with Advertising	11/264,671	UTL	ABANDONED	10/31/2005		
Y01192US01	US	10/25/2006	FCA	Systems And Methods For Subscribing To Updates Of User Assigned Keywords	11/586,434	UTL	ABANDONED	10/25/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01192US00	US	10/25/2005	NEW	Systems And Methods For Subscribing To Updates Of User Assigned Keywords	60/730,542	PRV	CONV PRV	10/25/2005		
Y01181US01	US	12/29/2005	NEW	Method For Displaying Search Results And Contextually Related Items	60/755,559	PRV	CONV PRV	12/29/2005		
Y01179US01	US	7/25/2006	OTH	System and method of information retrieval engine evaluation using human judgment input	11/493,268	UTL	ABANDONED	6/25/2006		
Y01176US01	US	4/21/2006	FCA	Systems and Methods of Online Protection	11/408,568	UTL	ABANDONED	4/21/2005		
Y01176US00	US	4/21/2005	NEW	Systems and Methods of Online Protection	60/673,901	PRV	CONV PRV	4/21/2005		
Y01175US01	US	5/16/2007	OTH	SYSTEM FOR TIERED BIDDING IN AN ONLINE INFORMATION SYSTEM BASED ON THE INTEGRITY OF NETWORK INTERACTIONS	11/749,476	UTL	ABANDONED	5/16/2007		
Y01172US01	US	12/22/2006	OTH	Transactional Calendar	11/644,812	UTL	ABANDONED	12/22/2006		
Y01170US01	US	12/6/2006	OTH	Pre-Cognitive Delivery of In-Context Related Information	11/635,443	UTL	ISSUED	12/6/2006	3/29/2011	7,917,520

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01167US01	US	5/5/2006	OTH	Indexing Parsed Natural Texts for Advanced Search	11/418,886	UTL	ABANDONED	5/5/2006		
Y01163US01	US	12/21/2005	OTH	Dynamic Search Interface	11/316,028	UTL	ABANDONED	12/21/2005		
Y01161US01	US	12/9/2005	OTH	REPLAY CACHING FOR SELECTIVELY PAUSED CONCURRENT VOIP CONVERSATIONS	11/297,981	UTL	ABANDONED	12/29/2005		
Y01160US01	US	11/22/2005	OTH	Previous Communication Updating In Instant Messaging	11/286,047	UTL	ABANDONED	11/22/2005		
Y01154US00	US	10/7/2005	NEW	Collapsible Itineraries	60/724,448	PRV	CONV PRV	10/7/2005		
Y01151US00	US	3/10/2006	NEW	System and Method for Automated Recovery of Data in a Batch Processing System	11/372,709	UTL	ABANDONED	3/10/2006		
Y01147US01	US	10/31/2005	NEW	Audio Feedback for Actions on a Web Search Page	11/263,785	UTL	ABANDONED	10/31/2005		
Y01145US01	US	10/31/2005	NEW	Methods for Visually Enhancing the Navigation of Collections of Information	11/264,521	UTL	ABANDONED	10/31/2005		
Y01143US01	US	11/29/2005	OTH	Cookie With Multiple Staged Logic For Identifying An Unauthorized Type Of User	11/288,577	UTL	ABANDONED	11/29/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01142US01	US	12/15/2005	OTH	Tracking and blocking of spam directed to clipping services	11/303,318	UTL	ISSUED	12/15/2005	4/27/2010	7,706,263
Y01124US01	US	6/8/2006	OTH	Refining Search Engine Data Based on Client Requests	11/450,590	UTL	ABANDONED	6/8/2006		
Y01122US01	US	11/15/2005	OTH	AUTOMATED CONNECTION TO A VOIP SESSION	11/274,431	UTL	ABANDONED	11/15/2005		
Y01120US03	US	10/28/2005	OTH	User Interface For Providing Third Party Content As An RSS Feed	11/262,501	UTL	ABANDONED	10/28/2005		
Y01120US02	US	10/28/2005	OTH	Customizing RSS Content for Use Over a Network	11/262,287	UTL	ABANDONED	10/28/2005		
Y01120US01	US	10/28/2005	OTH	Managing Content for RSS Alerts over a Network	11/262,503	UTL	ABANDONED	10/28/2005		
Y01113US01	US	7/18/2006	OTH	Real-Time User Profile Platform For Targeted Online Advertisement And Personalization	11/488,933	UTL	ABANDONED	7/18/2006		
Y01107US00	US	9/29/2005	NEW	AUTOMATICALLY DETERMINING TOPICAL REGIONS IN A DOCUMENT	11/239,729	UTL	ABANDONED	9/29/2005		
Y01106US00	US	10/11/2005	NEW	Enabling Contextually Placed Ads In Print Media	11/248,738	UTL	ABANDONED	10/11/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01105US00	US	12/22/2005	CEQ	METHOD AND MECHANISM FOR ANALYZING THE COLOR OF A DIGITAL IMAGE	11/316,828	UTL	ABANDONED	10/31/2005		
Y01087US00	US	11/14/2005	OTH	Data Synchronization and device handling	11/273,891	UTL	ISSUED	11/14/2005	9/20/2011	8,024,290
Y01086US00	US	10/21/2005	NEW	Account Consolidation	11/256,296	UTL	ABANDONED	10/21/2005		
Y01082US01	US	8/23/2013	CON	System and Method for Providing Context Information	13/974,705	UTL	ISSUED	11/15/2006	7/26/2016	9,400,662
Y01082US00	US	11/15/2006	NEW	System and method for context information retrieval	11/600,670	UTL	ISSUED	11/15/2006	8/27/2013	8,522,257
Y01081US00	US	11/15/2006	NEW	System And Method For Information Retrieval Using Context Information	11/600,359	UTL	ISSUED	11/15/2006	8/23/2011	8,005,806
Y01071US00	US	8/3/2006	NEW	User Side Database	11/462,242	UTL	ABANDONED	8/3/2006		
Y01070US00	US	1/11/2006	NEW	Network Document Management	11/329,704	UTL	ABANDONED	1/11/2006		
Y01068US00	US	10/4/2005	NEW	Peer-to-peer message chaining for initiating a data exchange with a server	11/243,166	UTL	ISSUED	10/4/2005	11/20/2007	7,298,714

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01056US03	US	8/3/2006	FCA	System And Method For Indexing Structured And Unstructured Audio Content	11/499,058	UTL	ABANDONED	8/3/2005		
Y01040US00	US	9/27/2006	CON	System and method for interacting with visual surrogates for real world objects	11/528,269	UTL	ABANDONED	9/27/2006		
Y01035US00	US	10/31/2005	NEW	Community Built Result Sets and Methods of Using the Same	11/264,305	UTL	ABANDONED	10/31/2005		
Y01027US00	US	10/20/2005	NEW	Using Matrix Representations of Search Engine Operations to Make Inferences About Documents in the Search Corpus	11/256,203	UTL	ABANDONED	10/20/2005		
Y01025US00	US	12/14/2006	NEW	Video Distribution Systems And Methods	11/638,753	UTL	ABANDONED	12/14/2006		
Y01021US01	US	5/10/2011	CON	Systems and Methods for Indexing and Searching Digital Video Content	13/104,327	UTL	ISSUED	5/1/2006	11/24/2015	9,196,310
Y01021US00	US	5/1/2006	NEW	Systems and Methods for Indexing and Searching Digital Video Content	11/416,014	UTL	ISSUED	5/1/2006	6/21/2011	7,965,923

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y01020US00	US	12/14/2006	NEW	Video Search And Indexing Systems And Methods	11/638,754	UTL	ABANDONED	12/14/2006		
Y00999US00	US	5/11/2006	FCA	System and Method for Determining Semantically Related Term	11/432,585	UTL	ABANDONED	7/29/2005		
Y00997US00	US	4/28/2006	FCA	System and Method for Creating and Providing a User Interface for Managing Advertiser Defined Groups of Advertisement Campaign Information (PANAMA)	11/413,514	UTL	ABANDONED	7/29/2005		
Y00994US00	US	10/19/2005	NEW	System and Method for Achieving Linear Advertisement Impression Delivery Under Uneven, Volatile Traffic Conditions	11/253,907	UTL	ABANDONED	10/19/2005		
Y00993US00	US	10/3/2005	NEW	PRIORITIZATION OF ADVERTISEMENTS FOR DELIVERY OVER A NETWORK BASED ON PREDICTED INVENTORIES	11/243,453	UTL	ABANDONED	10/3/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00985US00	US	8/12/2005	NEW	System and Method for Uploading Files	11/202,701	UTL	ABANDONED	9/9/2005		
Y00984US00	US	9/12/2005	CEQ	Techniques for Unsupervised Web Content Discovery and Automated Query Generation for Crawling the Hidden Web	11/224,887	UTL	ABANDONED	7/22/2005		
Y00982US00	US	9/13/2005	NEW	FRAMEWORK FOR SELECTING AND DELIVERING ADVERTISEMENTS OVER A NETWORK BASED ON COMBINED SHORT-TERM AND LONG-TERM USER BEHAVIORAL INTERESTS	11/225,238	UTL	ABANDONED	9/13/2005		
Y00975US01	US	5/7/2008	CON	Facilitating Retrieval Of Information Within A Messaging Environment	12/116,881	UTL	ISSUED	12/5/2005	8/18/2015	9,111,260
Y00975US00	US	12/5/2005	NEW	FACILITATING RETRIEVAL OF INFORMATION WITHIN A MESSAGING ENVIRONMENT	11/295,309	UTL	ISSUED	12/5/2005	4/12/2011	7,925,716
Y00969US00	US	6/23/2005	NEW	Method and Apparatus for Generating Targeted Advertisements	11/159,456	UTL	ABANDONED	6/23/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00966US00	US	2/16/1999	NEW	System and Method for Sharing Bookmark Information	09/250,240	UTL	ABANDONED	2/16/1999		
Y00964US27	US	7/2/2008	CON	System and Method for Creating and Providing a User Interface for Displaying Advertiser Defined Groups of Advertisement	12/166,950	UTL	ABANDONED	7/29/2005		
Y00964US06	US	11/16/2005	FCA	Positioning Advertisements On The Bases of Expected Revenue	11/281,940	UTL	ABANDONED	7/29/2005		
Y00959US00	US	8/22/2001	NEW	Dynamic Audio Advertising Updates	09/935,085	UTL	ABANDONED	8/22/2001		
Y00958US03	US	2/6/2009	CON	Method For Initiating Internet Telephone Service From A Web Page	12/367,349	UTL	ABANDONED	9/22/2000		
Y00958US02	US	2/6/2009	DIV	Method For Initiating Internet Telephone Service From A Web Page	12/367,235	UTL	ABANDONED	9/22/2000		
Y00957US00	US	12/7/2000	NEW	Inbound VOIP Communication System	09/733,539	UTL	ABANDONED	12/7/2000		
Y00956US00	US	1/12/2001	NEW	VOIP Call Control Proxy	09/760,347	UTL	ABANDONED	1/12/2001		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00954US00	US	12/7/2000	NEW	Method for Managing PC to PC Audio Communications	09/733,331	UTL	ABANDONED	12/7/2000		
Y00953US00	US	7/28/2000	NEW	Data Exchange with Computers Within a Secure Network	09/627,723	UTL	ABANDONED	7/28/2000		
Y00952US00	US	9/24/1999	NEW	Scalable Communications Systems	09/401,898	UTL	ABANDONED	9/24/1999		
Y00943US01	US	8/28/1998	CON	System For Adding New Entry to Web Page table Upon Receiving Web Page Including Link to Another Web Page Not Having Corresponding Entry in web page Table	09/143,110	UTL	EXPIRED	12/13/1995	2/29/2000	6,032,196
Y00938US02	US	8/5/2004	CON	SYSTEM AND METHOD FOR RAPID COMPLETION OF DATA PROCESSING TASKS DISTRIBUTED ON A NETWORK	10/913,012	UTL	ABANDONED	2/11/2000		
Y00935US06	US	4/3/1998	CON	Sequential Searching Of A Database Index Using Constraints On Word-Location Pairs	09/054,439	UTL	ABANDONED	8/9/1996		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00902US02	US	10/27/2004	CON	Method and apparatus for ranking web page search results	10/974,483	UTL	ABANDONED	10/25/2000		
Y00875US01	US	9/26/2003	FCA	User targeted and content theme integrated display of Sponsored Search Results	10/672,294	UTL	ABANDONED	9/19/2003		
Y00875US00	US	9/19/2003	NEW	User Targeted and content theme integrated display of Sponsored Search Results	60/504,418	PRV	CONV PRV	9/19/2003		
Y00872US01	US	2/29/2008	CON	Technique for Inline Searching in an Instant Messenger Environment	12/040,578	UTL	ISSUED	4/19/2004	10/11/2011	8,037,047
Y00870US01	US	10/4/2005	CON	Targeted Advertisements Using Time-Dependent Key Search Terms	11/243,103	UTL	ABANDONED	9/10/2001		
Y00869US02	US	12/21/2004	CON	Systems and Methods for Implementing Person-to-Person Money Exchange	11/020,789	UTL	ABANDONED	8/15/2000		
Y00868US01	US	5/4/2005	CON	Systems and Methods for Identifying and Extracting Data from HTML Pages	11/122,992	UTL	ABANDONED	8/24/2000		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00866US01	US	10/14/2003	CON	Systems and Methods for Matching Participants to a Conversation	10/686,255	UTL	ISSUED	2/22/2000	10/10/2006	7,120,668
Y00859US02	US	11/26/2003	FCA	Display System and Method	10/723,151	UTL	ABANDONED	5/9/2003		
Y00853US02	US	11/2/2006	RIS	SYSTEM AND METHOD FOR MOBILE ELECTRONIC MESSAGING	11/592,319	UTL	ABANDONED	3/1/2002		
Y00849US00	US	9/27/2002	NEW	System and Method for Displaying Images and Video Within a Web Page	10/260,134	UTL	ABANDONED	9/27/2002		
Y00848US03	US	7/28/2016	CON	Method and System for Managing Digital Content Including Streaming Media	15/221,741	UTL	PUBLISHED	2/27/2004		
Y00848US02	US	8/29/2008	DIV	Method And System For Managing Digital Content Including Streaming Media	12/201,411	UTL	ISSUED	2/27/2004	5/8/2012	8,176,066
Y00848US01	US	7/31/2008	DIV	Method and System for Managing Digital Content Including Streaming Media	12/183,567	UTL	ISSUED	2/27/2004	8/2/2016	9,407,963
Y00846US01	US	7/16/2003	FCA	System and method for conducting an advertising campaign	10/620,494	UTL	ABANDONED	2/24/2003		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00846US00	US	2/24/2003	NEW	System and method for conducting an advertising campaign	60/449,805	PRV	CONV PRV	2/24/2003		
Y00833US08	US	1/31/2001	CIP	Unsolicited Electronic Mail Reduction	09/774,439	UTL	ISSUED	8/24/2000	12/12/2006	7,149,778
Y00823US08	US	2/2/2006	DIV	Method Of Controlling An Internet Browser Interface And A Controllable Browser Interface	11/347,150	UTL	ABANDONED	10/28/1999		
Y00823US07	US	2/2/2006	DIV	Method of controlling an Internet browser interface and a controllable browser interface	11/347,700	UTL	ABANDONED	10/28/1999		
Y00823US05	US	12/30/2005	DIV	Method And System Of Facilitating On-Line Shopping Using A Dynamically Controlled Browser Interface	11/323,094	UTL	ABANDONED	10/28/1999		
Y00823US03	US	12/30/2005	DIV	Method and system of facilitating on-line shopping using a control object and a predetermined site	11/322,533	UTL	ABANDONED	10/28/1999		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00822US08	US	10/26/2011	REX	Method and System for Managing Digital Content, Including Streaming Media	95/001,794	UTL	ISSUED	1/18/2001	2/11/2015	7,640,320
Y00822US07	US	10/31/2007	DIV	Method and System for Managing Digital Content Including Streaming Media	11/931,643	UTL	ISSUED	1/18/2001	11/26/2013	8,595,340
Y00822US06	US	10/31/2007	DIV	Method and System for Managing Digital Content Including Streaming Media	11/931,487	UTL	ABANDONED	1/18/2001		
Y00822US05	US	2/6/2004	CIP	Method and System for Managing Digital Content Including Streaming Media	10/773,532	UTL	ISSUED	1/18/2001	12/7/2010	7,849,207
Y00822US04	US	7/31/2003	CIP	METHOD AND SYSTEM FOR MANAGING DIGITAL CONTENT INCLUDING STREAMING MEDIA	60/491,802	PRV	CONV PRV	1/18/2001		
Y00822US03	US	7/9/2003	DCA	Method And System For Managing Digital Content, Including Streaming Media	10/466,132	UTL	ISSUED	1/18/2001	12/29/2009	7,640,320
Y00822US00	US	1/18/2001	NEW	Method and system for managing streaming media	60/263,058	PRV	CONV PRV	1/18/2001		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00820US01	US	6/14/2007	CON	Method for the Real-Time Distribution of Streaming Data on a Network	11/763,179	UTL	ISSUED	4/25/2002	12/7/2010	7,849,128
Y00819US01	US	12/30/2004	CON	Session Continuity for Providing Content to A Remote Device	11/027,747	UTL	ABANDONED	9/28/2004		
Y00815US03	US	12/11/2008	DIV	Method and System of Enhanced Messaging	12/332,936	UTL	ABANDONED	3/11/2004		
Y00815US02	US	12/11/2008	DIV	Method and System of Enhanced Messaging	12/332,914	UTL	ABANDONED	3/11/2004		
Y00815US01	US	12/11/2008	CON	Method and System of Enhanced Messaging	12/332,892	UTL	ISSUED	3/11/2004	8/5/2014	8,799,758
Y00813US03	US	11/2/2006	RIS	Method And System Of Automatic Bandwidth Detection	11/592,318	UTL	ISSUED	7/12/2001	8/31/2010	RE41,618
Y00813US02	US	7/28/2005	RIS	Method And System Of Automatic Bandwidth Detection	11/193,998	UTL	ABANDONED	7/12/2001		
Y00813US01	US	6/16/2003	CON	Method And System Of Automatic Bandwidth Detection	10/462,349	UTL	ISSUED	7/12/2001	11/2/2004	6,813,580
Y00812US01	US	7/3/2008	CON	Event notification	12/168,046	UTL	ISSUED	8/29/2003	10/6/2009	7,600,046

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00807US01	US	4/4/2003	FCA	Method and system for providing access to and administering online gaming leagues and tournaments	10/406,878	UTL	ABANDONED	4/4/2002		
Y00807US00	US	4/4/2002	NEW	METHOD AND SYSTEM FOR PROVIDING ON-LINE GAMES	60/370,928	PRV	CONV PRV	4/4/2002		
Y00806US00	US	8/3/2005	OTH	INTERACTION STORYBOARDS	60/705,664	PRV	CONV PRV	8/3/2005		
Y00802US02	US	5/25/2005	CIP	Method and System for Launching Applications From a Button of a Browser	11/138,549	UTL	ABANDONED	8/12/2003		
Y00800US00	US	11/1/2004	DCA	METHOD AND SYSTEM FOR PROVIDING ACCESS TO CONTENT ASSOCIATED TO AN EVENT	10/482,947	UTL	ABANDONED	7/3/2001		
Y00763US01	US	3/27/2007	DIV	METHOD AND APPARATUS FOR ACCELERATING AND IMPROVING ACCESS TO NETWORK FILES	11/729,183	UTL	ABANDONED	6/18/2002		
Y00749US01	US	7/2/2008	CON	Integration of instant messaging with Internet searching	12/167,147	UTL	ISSUED	4/19/2004	8/16/2011	8,001,102

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00748US00	US	7/6/2001	NEW	Messenger Controlled Applications in an Instant Messaging Environment	60/331,331	PRV	CONV PRV	8/15/2001		
Y00747US01	US	9/28/1999	CON	Information Retrieval from Hierarchical Compound Documents	09/407,685	UTL	EXPIRED	11/3/1997	4/22/2003	6,553,364
Y00726US01	US	2/28/2008	CON	Delivering Items Based on Links to Resources Associated with Search Results	12/039,628	UTL	ABANDONED	3/31/2004		
Y00713US00	US	10/31/2000	NEW	Approach for Tracking Data	09/703,343	UTL	ABANDONED	10/31/2000		
Y00707US02	US	10/6/2003	FCA	Access Control and Metering System for Streaming Media	10/680,507	UTL	ISSUED	3/12/2003	6/3/2008	7,383,229
Y00707US01	US	3/12/2003	NEW	Access Control and Metering System for Streaming Media	60/454,231	PRV	CONV PRV	3/12/2003		
Y00702US02	US	1/17/2007	CON	METHOD AND SYSTEM FOR MANAGING THE RESOURCES OF AN APPLICATION PROGRAM	11/624,134	UTL	ABANDONED	6/2/2000		
Y00702US01	US	6/5/2000	OTH	A METHOD AND SYSTEM FOR MANAGING THE RESOURCES OF AN APPLICATION PROGRAM	09/587,409	UTL	ABANDONED	6/2/2000		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00699US00	US	6/24/2005	NEW	CONTEXTUAL PROBLEMS	60/693,658	PRV	ABANDONED	6/24/2005		
Y00698US07	US	1/6/2017	CON	Trust Propagation Through Both Explicit and Implicit Social Networks	15/400,083	UTL	PUBLISHED	6/28/2005		
Y00697US02	US	3/19/2004	CIP	Method and System for Authenticating a Message Sender Using Domain Keys	10/805,181	UTL	ISSUED	8/26/2003	12/25/2007	7,313,700
Y00697US01	US	9/24/2003	FCA	Method and System for Authenticating a Message Sender Using DomainKeys	10/671,319	UTL	ISSUED	8/26/2003	1/10/2006	6,986,049
Y00697US00	US	8/26/2003	NEW	METHOD AND SYSTEM FOR AUTHENTICATING A MESSAGE SENDER USING DOMAIN KEYS	60/497,794	PRV	CONV PRV	8/26/2003		
Y00688US00	US	7/14/2005	NEW	Content Router Gateway	11/183,073	UTL	ABANDONED	7/14/2005		
Y00684US00	US	7/14/2005	NEW	CONTENT ROUTER FORWARDING	11/182,331	UTL	ABANDONED	7/14/2005		
Y00683US00	US	7/14/2005	NEW	System and Method for Synchronizing Between a User Device and a Server in a Communication Network	11/182,203	UTL	ABANDONED	7/14/2005		
Y00681US00	US	7/14/2005	NEW	Content Router Repository	11/182,665	UTL	ABANDONED	7/14/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00680US02	US	8/18/2009	DIV	Methods and Systems for Data Transfer and Notification Mechanisms	12/543,231	UTL	ABANDONED	7/14/2005		
Y00680US01	US	7/14/2005	NEW	Methods and Systems for Data Transfer and Notification Mechanisms	11/182,614	UTL	ABANDONED	7/14/2005		
Y00679US02	US	10/31/2005	CIP	Content Router Core Variants	11/264,435	UTL	ABANDONED	7/14/2005		
Y00679US01	US	10/31/2005	CIP	Content Router Processing	11/264,121	UTL	ABANDONED	7/14/2005		
Y00679US00	US	7/14/2005	OTH	Content Router	11/182,287	UTL	ISSUED	7/14/2005	12/7/2010	7,849,199
Y00678US00	US	7/14/2005	NEW	SYSTEM AND METHOD FOR PROVISIONING A USER DEVICE	11/182,663	UTL	ABANDONED	7/14/2005		
Y00676US02	US	1/28/2013	CON	User Entertainment and Engagement Enhancements to Search System	13/752,162	UTL	ABANDONED	7/14/2005		
Y00676US00	US	7/14/2005	NEW	User entertainment and engagement enhancements to search system	11/183,114	UTL	ABANDONED	7/14/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00674US00	US	7/5/2005	NEW	ENABLING TEXT MESSAGING BETWEEN A MEMBER AND NON- MEMBER OF A COMMUNITY BASED ON A COMMON SHORT CODE	11/175,988	UTL	ISSUED	7/5/2005	7/17/2007	7,245,929
Y00673US05	US	5/17/2006	FCA	Systems And Methods For Providing Features And User Interfaces Therefor In Network Browsing Applications	11/434,893	UTL	ABANDONED	5/17/2005		
Y00673US04	US	5/17/2006	FCA	Systems And Methods For Providing Short Message Service Features And User Interfaces Therefor In Network Browsing Applications	11/434,935	UTL	ABANDONED	5/17/2005		
Y00673US01	US	10/18/2005	FCA	Systems And Methods For Providing Features And User Interface In Network Browsing Application	11/251,784	UTL	ABANDONED	5/17/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00672US01	US	8/25/2005	CEQ	Approach For Requesting Web Pages From A Web Server Using Web-Page Specific Cookie Data	11/213,108	UTL	ABANDONED	6/29/2005		
Y00670US00	US	6/28/2005	NEW	APPARATUS AND METHOD FOR CONTENT ANNOTATION AND CONDITIONAL ANNOTATION RETRIEVAL IN A SEARCH CONTEXT	11/169,864	UTL	ABANDONED	6/28/2005		
Y00667US03	US	5/20/2005	OTH	SYSTEM AND METHOD FOR SELECTING AND MANAGING FILES	60/683,219	PRV	CONV PRV	5/20/2005		
Y00667US02	US	8/12/2005	FCA	System and Method for Selecting and Managing Files	11/202,724	UTL	ABANDONED	5/20/2005		
Y00667US01	US	8/12/2005	FCA	System and Method for Selecting and Managing Files	11/202,670	UTL	ABANDONED	5/20/2005		
Y00667US00	US	5/20/2005	NEW	SYSTEM AND METHOD FOR SELECTING AND MANAGING FILES	60/683,216	PRV	CONV PRV	5/20/2005		
Y00665US04	US	1/2/2013	CON	User interface for navigating a keyword space	13/732,535	UTL	ISSUED	5/27/2005	2/21/2017	9,576,057
Y00662US00	US	8/18/2005	NEW	Search History Visual Representation	11/207,676	UTL	ABANDONED	8/18/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00661US00	US	8/18/2005	NEW	Search Entry System with Query Log Autocomplete	11/207,675	UTL	ABANDONED	8/18/2005		
Y00656US00	US	6/10/2005	NEW	Universal advertisement services architecture	11/150,556	UTL	ABANDONED	6/10/2005		
Y00655US29	US	1/29/2009	CON	System and Method for Leveraging Media Via User Rating Data	12/362,207	UTL	ABANDONED	2/28/2005		
Y00655US27	US	6/14/2006	CIP	A MEDIA ITEM REGISTRY AND ASSOCIATED METHODS OF REGISTERING A RIGHTS HOLDER AND A MEDIA ITEM	11/453,476	UTL	ABANDONED	10/10/2005		
Y00655US26	US	6/14/2006	CIP	A Media Item Payment System And Associated Method Of Use	11/453,958	UTL	ABANDONED	10/10/2005		
Y00655US19	US	2/24/2006	FCA	System And Method For Playlist Management And Distribution	11/361,190	UTL	ABANDONED	2/28/2005		
Y00655US16	US	10/10/2005	CIP	A Data Container and Set of Metadata for Association with a Media Item and Composite Media Items	11/247,015	UTL	ABANDONED	10/10/2005		
Y00655US14	US	12/16/2005	FCA	Portable Media Device Interoperability	11/303,097	UTL	ABANDONED	2/28/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00655US11	US	12/21/2005	FCA	User interface for sharing and searching playlists	11/316,052	UTL	ABANDONED	2/28/2005		
Y00655US09	US	2/28/2005	OTH	A SYSTEM AND METHOD FOR DELIVERING MEDIA OVER A NETWORK MEDIA	60/657,222	PRV	CONV PRV	2/28/2005		
Y00655US05	US	11/30/2005	CIP	A Method Of Creating A Media Item Portion Database	11/292,046	UTL	ABANDONED	10/10/2005		
Y00655US00	US	5/5/2005	NEW	A SYSTEM AND METHOD FOR DELIVERING OVER A NETWORK MEDIA	60/678,718	PRV	CONV PRV	5/5/2005		
Y00652US01	US	6/6/2006	FCA	PREFETCHING CONTENT BASED ON A MOBILE USER PROFILE	11/422,536	UTL	ABANDONED	6/7/2005		
Y00652US00	US	6/7/2005	NEW	PREFETCHING CONTENT BASED ON A MOBILE USER PROFILE	60/688,123	PRV	CONV PRV	6/7/2005		
Y00651US05	US	5/3/2016	CON	Providing Relevant Non-Requested Content to a Mobile Device	15/145,116	UTL	PUBLISHED	6/7/2005		
Y00651US04	US	3/31/2014	CON	Providing Relevant Non-Requested Content to a Mobile Device	14/230,337	UTL	ISSUED	6/7/2005	5/17/2016	9,344,523
Y00651US03	US	4/25/2013	CON	Providing Relevant Non-Requested Content to a Mobile Device	13/870,530	UTL	ISSUED	6/7/2005	6/2/2015	9,049,250

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00651US02	US	4/28/2008	CON	Providing Relevant Non-Requested Content To A Mobile Device	12/111,115	UTL	ISSUED	6/7/2005	6/11/2013	8,463,869
Y00651US01	US	6/6/2006	FCA	Providing Relevant Non-Requested Content to a Mobile Device	11/422,539	UTL	ISSUED	6/7/2005	5/20/2014	8,732,234
Y00651US00	US	6/7/2005	NEW	PROVIDING RELEVANT NON-REQUESTED CONTENT TO A MOBILE DEVICE	60/688,122	PRV	CONV PRV	6/7/2005		
Y00650US01	US	4/19/2006	FCA	Dynamically generating content based on capabilities of a mobile device	11/407,451	UTL	ABANDONED	6/7/2005		
Y00650US00	US	6/7/2005	NEW	Dynamically generating content based on capabilities of a mobile device	60/688,121	PRV	CONV PRV	6/7/2005		
Y00648US01	US	6/1/2006	FCA	A Fast Tracking System And Method For Generalized Lars/Lasso	11/446,345	UTL	ABANDONED	6/1/2005		
Y00648US00	US	6/1/2005	NEW	Fast Tracking Algorithm for Generalized LARS/LASSO	60/686,716	PRV	CONV PRV	6/1/2005		
Y00644US04	US	12/30/2005	FCA	User Interface Distribution Systems and Methods	11/322,671	UTL	ABANDONED	5/11/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00644US03	US	12/30/2005	FCA	System, Method and Framework For Universal Access To Content and Services	11/322,663	UTL	ABANDONED	5/11/2005		
Y00639US01	US	5/12/2006	FCA	DETECTING INTERACTION WITH AN ONLINE SERVICE	11/383,184	UTL	ABANDONED	5/13/2005		
Y00639US00	US	5/13/2005	NEW	DETECTING INTERACTION WITH AN ONLINE SERVICE	60/681,201	PRV	CONV PRV	5/13/2005		
Y00638US01	US	5/12/2006	FCA	Analyzer For Data Relating To Networked Games	11/383,176	UTL	ABANDONED	5/13/2005		
Y00638US00	US	5/13/2005	NEW	ANALYZER FOR DATA RELATING TO NETWORKED GAMES	60/680,702	PRV	CONV PRV	5/13/2005		
Y00637US01	US	5/12/2006	FCA	MAPPING ONLINE SERVICE USER ID TO PORTAL USER ID	11/383,177	UTL	ISSUED	5/13/2005	3/23/2010	7,685,241
Y00637US00	US	5/13/2005	NEW	MAPPING ONLINE SERVICE USER ID TO PORTAL USER ID	60/680,701	PRV	CONV PRV	5/13/2005		
Y00636US01	US	5/12/2006	FCA	Proxy For Enabling Communication Between Mobile Device And Game Service	11/383,178	UTL	ABANDONED	5/13/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00636US00	US	5/13/2005	NEW	PROXY FOR ENABLING COMMUNICATION BETWEEN MOBILE DEVICE AND GAME SERVICE	60/681,202	PRV	CONV PRV	5/13/2005		
Y00635US01	US	5/12/2006	FCA	REDIRECTION AND INVITATION FOR ACCESSING AN ONLINE SERVICE	11/383,179	UTL	ABANDONED	5/13/2005		
Y00635US00	US	5/13/2005	NEW	REDIRECTION AND INVITATION FOR ACCESSING AN ONLINE SERVICE	60/680,700	PRV	CONV PRV	5/13/2005		
Y00632US00	US	5/13/2005	NEW	Media Object Organization Across Information Management Services	11/129,697	UTL	ABANDONED	5/13/2005		
Y00631US05	US	8/23/2012	CON	INTERESTINGNESS RANKING OF MEDIA OBJECTS	13/593,112	UTL	PUBLISHED	4/21/2005		
Y00631US04	US	9/8/2009	DIV	Media Object Metadata Association and Ranking	12/555,706	UTL	PUBLISHED	4/21/2005		
Y00631US03	US	2/8/2006	FCA	Interestingness Ranking of Media Objects	11/350,981	UTL	ISSUED	4/21/2005	5/20/2014	8,732,175
Y00631US02	US	2/8/2006	FCA	MEDIA OBJECT METADATA ASSOCIATION AND RANKING	11/350,635	UTL	PUBLISHED	4/21/2005		
Y00631US00	US	4/21/2005	NEW	Generation and use of metadata for media objects	60/674,109	PRV	CONV PRV	4/21/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00623US00	US	5/12/2005	NEW	Selecting A Network For Routing Real-Time Audio	11/128,646	UTL	ABANDONED	5/12/2005		
Y00622US01	US	11/3/2000	NEW	System and Method for Agency Based Posting and Searching for Job Openings via a Computer System and Network	60/245,739	PRV	CONV PRV	11/3/2000		
Y00620US01	US	3/15/2006	FCA	System and Method for Providing Interactive Feature Selection for Training a Document Classification System	11/376,989	UTL	ABANDONED	3/16/2005		
Y00620US00	US	3/18/2005	NEW	Interactive Feature Selection	60/662,306	PRV	CONV PRV	3/18/2005		
Y00618US00	US	4/25/2005	NEW	Method for Quick Registration from a Mobile Device	11/115,080	UTL	ISSUED	4/25/2005	12/11/2007	7,308,261
Y00610US00	US	4/1/2005	NEW	Video Game Application	60/667,837	PRV	EXPIRED	4/1/2005		
Y00609US01	US	10/19/2005	FCA	Multiple Window Browser Interface and System and Method for Generating Multiple Window Browser Interface	11/254,126	UTL	ABANDONED	3/30/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00609US00	US	3/30/2005	NEW	Multiple Window Browser Interface and Method for Generating Multiple Window Browser Interface	60/666,532	PRV	CONV PRV	3/30/2005		
Y00608US00	US	3/28/2005	NEW	Voice-Activated Search	60/666,016	PRV	ABANDONED	3/28/2005		
Y00605US09	US	3/11/2006	FCA	System and method for listing administration	11/372,528	UTL	ABANDONED	3/11/2005		
Y00605US00	US	3/11/2005	NEW	System and Method for Improved Job Seeking	60/661,280	PRV	CONV PRV	3/11/2005		
Y00604US00	US	3/18/2005	NEW	Enabling Application Wakeup on a Mobile Device with a Hybrid Client	11/084,821	UTL	ABANDONED	3/18/2005		
Y00603US00	US	3/18/2005	NEW	Method for Signing into a Mobile Device Over a Network	11/084,769	UTL	ISSUED	3/18/2005	4/27/2010	7,707,292
Y00602US00	US	3/14/2005	NEW	ASSOCIATING A POSTMARK WITH A MESSAGE TO INDICATE TRUST	11/080,734	UTL	ISSUED	3/14/2005	11/9/2010	7,831,834
Y00601US01	US	3/14/2006	FCA	Method and System for Premium Access	11/375,802	UTL	PUBLISHED	3/14/2005		
Y00601US00	US	3/14/2005	NEW	Method and System for Premium Access	60/661,544	PRV	CONV PRV	3/14/2005		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00600US00	US	3/14/2005	NEW	Antibot Login Display for Instant Messaging System	60/661,541	PRV	EXPIRED	3/14/2005		
Y00598US01	US	2/1/2010	CON	System For Modifying Queries Before Presentation To A Sponsored Search Generator Or Other Matching System Where Modifications Improve Coverage Without A Corresponding Reduction In Relevance	12/697,922	UTL	ABANDONED	3/10/2005		
Y00590US02	US	3/31/2005	CIP	System and Method for Improving Online Search Engine Results	11/097,771	UTL	ABANDONED	1/27/2005		
Y00587US13	US	6/19/2017	CON	System and Method for Tagging Content and Delivering the Tag to Buddies of a Given User	15/626,684	UTL	ISSUED	1/5/2005	12/19/2017	9,848,246
Y00587US12	US	1/26/2015	CON	System and Method for Tagging Content and Delivering the Tag to Buddies of a Given User	14/604,919	UTL	ISSUED	1/5/2005	6/20/2017	9,686,590
Y00587US11	US	1/28/2013	CON	Framework for Providing Digital Home Services	13/751,727	UTL	ISSUED	1/5/2005	5/23/2017	9,661,389

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00587US10	US	8/2/2006	CON	System And Method For Tagging Content And Delivering The Tag To Buddies Of A Given User	11/498,459	UTL	ISSUED	1/5/2005	1/27/2015	8,943,538
Y00587US09	US	8/1/2006	CON	System and method for allowing users to engage in a "movie theater" viewing experience in a distributed environment	11/497,913	UTL	ABANDONED	1/5/2005		
Y00587US08	US	8/1/2006	CON	System And Method For Delivering Personalized Advertisements	11/497,864	UTL	ABANDONED	1/5/2005		
Y00587US07	US	8/1/2006	CON	System And Method For Enabling A User To Control A Context Of A Client Device Of A Buddy In A Social Network	11/497,911	UTL	ABANDONED	1/5/2005		
Y00587US06	US	1/5/2006	FCA	Informational Alert Messaging For Digital Home Services	11/327,188	UTL	ISSUED	1/5/2005	3/19/2013	8,402,506

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00587US05	US	1/5/2006	CIP	Framework For Delivering A Plurality Of Content And Providing For Interaction With The Same In A Television Environment	11/327,198	UTL	ISSUED	1/5/2005	7/24/2012	8,230,456
Y00587US04	US	10/27/2005	FCA	FRAMEWORK FOR PROVIDING DIGITAL HOME SERVICES	11/261,436	UTL	ISSUED	1/5/2005	2/19/2013	8,381,240
Y00587US03	US	1/5/2005	OTH	System and Method For Accessing Personalized Multimedia Content	60/641,717	PRV	CONV PRV	1/5/2005		
Y00587US01	US	1/5/2006	FCA	Framework For Providing Ancillary Content In A Television Environment	11/327,665	UTL	ABANDONED	1/5/2005		
Y00587US00	US	1/5/2005	NEW	System and Method For Extending Online Services to Other Platforms	60/641,787	PRV	CONV PRV	1/5/2005		
Y00585US01	US	5/6/2004	CON	Search engine for selecting targeted messages	10/840,667	UTL	ABANDONED	3/5/2001		
Y00576US02	US	9/26/2008	CON	Online Playback System With Community Bias	12/238,717	UTL	ABANDONED	7/11/2000		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00573US00	US	1/18/2003	NEW	QUERY STRING MATCHING METHOD AND APPARATUS	10/346,721	UTL	ABANDONED	1/18/2003		
Y00569US03	US	11/7/2002	FCA	FILE SPLITTING, SCALABLE CODING, AND ASYNCHRONOUS TRANSMISSION IN STREAMED DATA TRANSFER	10/291,853	UTL	ABANDONED	11/9/2001		
Y00567US00	US	11/2/2000	NEW	CONTENT RELATED WALLPAPER AUTOMATIC GENERATION OF RADIO STATION PROGRAMMING	60/245,689	PRV	EXPIRED	11/2/2000		
Y00566US00	US	12/6/2002	NEW		60/431,257	PRV	EXPIRED	12/6/2002		
Y00565US00	US	9/10/2003	NEW	Online music purchasing	60/502,162	PRV	EXPIRED	9/10/2003		
Y00564US03	US	7/18/2011	DIV	Associating and Linking Compact Disc Metadata	13/185,352	UTL	ABANDONED	4/3/2002		
Y00564US00	US	4/3/2002	NEW	ASSOCIATING AND LINKING ALBUM TAGS, TABLE OF CONTENTS DATA, AND OTHER COMPACT DISK DATA	60/369,890	PRV	EXPIRED	4/3/2002		
Y00562US00	US	5/3/2000	NEW	Recommendation Engine	60/201,622	PRV	EXPIRED	5/3/2000		
Y00549US05	US	10/26/2011	REX	Method and Apparatus for Organizing and Playing Data	95/001,795	UTL	EXPIRED	6/11/2003	12/2/2013	7,512,622

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00549US04	US	9/14/2012	CON	Method and Apparatus for Organizing and Playing Data	13/619,188	UTL	ISSUED	6/11/2003	4/21/2015	9,015,206
Y00549US03	US	7/2/2009	CON	Method and Apparatus for Organizing and Playing Data	12/496,951	UTL	ISSUED	6/11/2003	10/18/2011	8,041,750
Y00549US02	US	3/10/2009	CON	Method and Apparatus for Organizing and Playing Data	12/401,340	UTL	ISSUED	6/11/2003	12/10/2013	8,606,828
Y00549US01	US	9/22/2003	CIP	Method and Apparatus for Organizing and Playing Data	10/670,099	UTL	ISSUED	6/11/2003	8/11/2009	7,574,448
Y00549US00	US	6/11/2003	NEW	Method and Apparatus for Organizing and Playing Data	10/459,341	UTL	ABANDONED	6/11/2003	3/31/2009	7,512,622
Y00547US00	US	4/10/2001	NEW	System and Method for Monitoring the Interaction of Randomly Selected Users with a Web Domain	09/832,434	UTL	ABANDONED	4/10/2001		
Y00545US12	US	4/1/2005	CON	System and Method for Influencing a Position on a Search Result List Generated by a Computer Network Search Engine	11/097,930	UTL	ABANDONED	5/28/1999		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00545US09	US	8/3/2001	OTH	SYSTEM AND METHOD FOR INFLUENCING A POSITION ON A SEARCH RESULT LIST GENERATED BY A COMPUTER NETWORK SEARCH ENGINE	60/310,022	PRV	EXPIRED	5/28/1999		
Y00544US01	US	10/11/2005	CON	Automated Processing of Appropriateness Determination of Content for Search Listings in Wide Area Network Searches	11/248,780	UTL	ABANDONED	9/13/2002		
Y00535US00	US	7/22/2003	NEW	Term-Based Concept Market	10/625,082	UTL	ABANDONED	7/22/2003		
Y00533US00	US	4/25/2003	NEW	Search engine supplemented with URL's that provide access to the search results from predefined search queries	10/424,172	UTL	ABANDONED	4/25/2003		
Y00532US00	US	7/22/2003	NEW	Concept valuation in a term-based concept market	10/625,000	UTL	ABANDONED	7/22/2003		
Y00531US00	US	7/22/2003	NEW	Term-Based Concept Instruments	10/625,001	UTL	ABANDONED	7/22/2003		
Y00526US05	US	12/30/2004	FCA	SYSTEM AND METHOD FOR OPTIMIZING ADVERTISING MARKETPLACE OPERATIONS	11/026,515	UTL	ABANDONED	7/30/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00526US04	US	12/30/2004	FCA	System and Method for Advertising Campaign Strategy Development and Optimization	11/026,516	UTL	ABANDONED	7/30/2004		
Y00519US08	US	1/5/2015	CON	System and Method for Presenting Search Results	14/589,803	UTL	PUBLISHED	10/26/2004		
Y00519US07	US	1/9/2014	CON	System and Method for Providing Time-Based Content	14/151,343	UTL	PUBLISHED	10/26/2004		
Y00519US06	US	3/30/2012	CON	System and method for providing time-based content	13/435,803	UTL	ISSUED	10/26/2004	5/20/2014	8,732,747
Y00519US05	US	7/25/2011	CON	Method and apparatus for a search-enabled remote control device	13/189,785	UTL	ISSUED	10/26/2004	10/17/2017	9,792,369
Y00519US04	US	4/11/2005	FCA	Method and apparatus for a search-enabled remote control device	11/104,251	UTL	ISSUED	10/26/2004	9/6/2011	8,015,184
Y00519US03	US	4/11/2005	FCA	System and method for presenting information	11/104,322	UTL	ABANDONED	10/26/2004		
Y00519US02	US	4/11/2005	FCA	System and method for providing time-based content	11/104,326	UTL	ISSUED	10/26/2004	8/21/2012	8,250,599

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00519US01	US	4/11/2005	FCA	System and Method for Presenting Search Results	11/104,175	UTL	ISSUED	10/26/2004	1/6/2015	8,930,358
Y00519US00	US	10/26/2004	NEW	System and Method for Facilitating Multimedia Viewing, Searching and Commerce	60/622,469	PRV	CONV PRV	10/26/2004		
Y00514US02	US	12/17/2009	CON	Method and Apparatus for Identifying Related Searches in a Database Search System	12/653,926	UTL	ABANDONED	5/22/2000		
Y00511US01	US	8/2/2004	CIP	Content Performance Assessment Optimization for Search Listings in Wide Area Network Searches	10/910,780	UTL	ABANDONED	5/2/2003		
Y00511US00	US	5/2/2003	NEW	CONTENT PERFORMANCE ASSESSMENT OPTIMIZATION FOR SEARCH LISTINGS IN WIDE AREA NETWORK SEARCHES	10/429,208	UTL	ABANDONED	5/2/2003		
Y00508US01	US	4/21/2005	FCA	Traffic Messaging System	11/112,316	UTL	ABANDONED	10/26/2004		
Y00508US00	US	10/26/2004	NEW	Traffic Messaging System	60/622,416	PRV	CONV PRV	10/26/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00507US00	US	12/29/2004	NEW	Scalable Cache Layer for Accessing Blog Content	11/027,818	UTL	ABANDONED	12/29/2004		
Y00506US02	US	12/20/2005	FCA	Group Polling for Consumer Review	11/313,254	UTL	ABANDONED	12/20/2004		
Y00506US01	US	12/16/2005	FCA	Group Polling for Consumer Review	11/305,830	UTL	ABANDONED	12/20/2004		
Y00506US00	US	12/20/2004	NEW	Group Polling for Consumer Review	60/637,876	PRV	CONV PRV	12/20/2004		
Y00484US01	US	12/1/2003	NEW	CLICK THROUGH RANKING OF IMAGES AND OTHER DATA	60/526,308	PRV	EXPIRED	12/1/2003		
Y00483US00	US	7/15/2004	NEW	EFFICIENTLY SPACED AND USED ADVERTISING IN NETWORKING-SERVED MULTIMEDIA DOCUMENTS	10/893,761	UTL	ABANDONED	7/15/2004		
Y00459US00	US	3/21/2003	NEW	Systems and Methods For Interactive Search Query Refinement	60/456,905	PRV	EXPIRED	3/21/2003		
Y00458US00	US	12/13/1995	NEW	System For Adding New Entry to Web Page table Upon Receiving Web Page Including Link to Another Web Page Not Having Corresponding Entry in web page Table	08/571,748	UTL	EXPIRED	12/13/1995	10/26/1999	5,974,455

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00441US00	US	10/29/1998	NEW	SEARCH AND NAVIGATION SYSTEM AND METHOD USING CATEGORY INTERSECTION PRE-COMPUTATION	60/106,500	PRV	EXPIRED	10/29/1998		
Y00437US00	US	11/13/2001	NEW	Position Bidding in a Pay for Placement Search System	09/993,926	UTL	ABANDONED	11/13/2001		
Y00436US00	US	5/25/2000	NEW	Online Media Exchange	60/206,944	PRV	CONV PRV	5/25/2000		
Y00405US02	US	11/25/1997	NEW	Method for estimating coverage of web search engines	08/978,260	UTL	ABANDONED	11/25/1997		
Y00384US00	US	2/21/2003	NEW	METHOD AND APPARATUS FOR DETERMINING A MINIMUM PRICE PER CLICK FOR A TERM IN AN AUCTION BASED INTERNET SEARCH	10/372,637	UTL	ABANDONED	2/21/2003		
Y00382US00	US	12/16/1997	CON	Memory Storing an Integrated Index of Database Records	08/991,179	UTL	EXPIRED	8/9/1996	6/20/2000	6,078,923
Y00381US00	US	8/9/1996	NEW	Memory Storing An Integrated Index Of Database Records	08/694,919	UTL	EXPIRED	8/9/1996	8/18/1998	5,797,008
Y00369US00	US	11/5/2003	NEW	COUNTRY TAGGING	60/517,936	PRV	EXPIRED	11/5/2003		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00363US00	US	8/17/1998	NEW	Collecting, Combining, Analyzing and using Internet and Business Information	60/097,029	PRV	EXPIRED	8/17/1998		
Y00355US02	US	10/24/2005	DIV	System And Method For Providing Improved Access To A Search Tool In Electronic Mail-Enabled Applications	11/256,000	UTL	ISSUED	12/20/2004	11/16/2010	7,836,064
Y00355US01	US	9/12/2005	FCA	System and Method for Providing Improved Access to Spam-control Feature in Mail-Enabled Application	11/223,138	UTL	ABANDONED	12/20/2004		
Y00355US00	US	12/20/2004	NEW	Mail Toolbar	60/637,978	PRV	CONV PRV	12/20/2004		
Y00352US03	US	12/1/2005	FCA	RSS Rendering Via a Media Player	11/291,169	UTL	ABANDONED	12/3/2004		
Y00352US02	US	12/1/2005	FCA	Syndicating multiple media objects with RSS	11/291,402	UTL	ABANDONED	12/3/2004		
Y00352US01	US	12/1/2005	FCA	Syndicating Multimedia Information with RSS	11/291,401	UTL	ABANDONED	12/3/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00352US00	US	12/3/2004	NEW	System and Method for Providing Multimedia Functionality with Really Simple Syndication (RSS)	60/633,295	PRV	CONV PRV	12/3/2004		
Y00342US01	US	9/7/2005	FCA	Multimodal Interface for Mobile Messaging	11/221,994	UTL	ISSUED	9/8/2004	9/8/2009	7,587,482
Y00342US00	US	9/8/2004	NEW	Interface for Messenger System	60/607,899	PRV	CONV PRV	9/8/2004		
Y00341US02	US	8/5/2004	CIP	Calendar Alert Integration with Instant Messaging	10/913,696	UTL	ABANDONED	4/20/2004		
Y00341US00	US	11/26/2003	NEW	Visibility Profiles	60/525,428	PRV	CONV PRV	11/26/2003		
Y00337US04	US	10/15/2009	CON	Systems and Methods for Indexing Content for Fast and Scalable Retrieval	12/580,244	UTL	ABANDONED	10/17/2003		
Y00337US02	US	10/15/2004	FCA	Systems and Methods for a Search-Based Email Client	10/966,259	UTL	ABANDONED	10/17/2003		
Y00333US00	US	1/10/2005	NEW	Inkblot User Interface for Text Selection	11/033,101	UTL	ABANDONED	1/10/2005		
Y00331US00	US	10/26/2004	NEW	Method of Indexing Categories for Efficient Searching and Ranking	10/973,514	UTL	ABANDONED	10/26/2004		
Y00326US04	US	6/10/2005	FCA	Document Navigation Via Active Abstracts	11/150,369	UTL	ABANDONED	11/11/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00326US01	US	6/10/2005	FCA	Search System Presenting Active Abstracts Including Linked Terms	11/150,045	UTL	ABANDONED	11/11/2004		
Y00324US00	US	11/12/2003	NEW	Wish List	60/519,772	PRV	CONV PRV	11/12/2003		
Y00307US03	US	9/9/2010	CON	Upload Security Scheme	12/878,312	UTL	ISSUED	11/10/2003	4/28/2015	9,021,249
Y00307US02	US	9/2/2004	FCA	Upload Security Scheme	10/934,645	UTL	ISSUED	11/10/2003	9/14/2010	7,797,529
				Navigate, Click and Drag Images In Mobile Applications						
Y00307US01	US	10/22/2004	FCA		10/970,862	UTL	ABANDONED	11/10/2003		
Y00307US00	US	11/10/2003	NEW	Upload Security Scheme	60/518,897	PRV	CONV PRV	11/10/2003		
				TRANSMISSION OF MULTICAST MEDIA BETWEEN NETWORKS						
Y00304US00	US	3/13/2000	NEW		09/524,319	UTL	ISSUED	3/13/2000	2/18/2003	6,523,069
				Techniques for Inline Searching in an Instant Messenger Environment						
Y00300US00	US	4/19/2004	NEW		10/827,910	UTL	ISSUED	4/19/2004	4/22/2008	7,363,295
				Systems and Methods for Performing International Money Exchanges						
Y00290US05	US	4/1/2009	CON		12/416,862	UTL	ABANDONED	7/14/2004		
				Systems and Methods for Implementing Account-to-Account International Money Exchanges						
Y00290US03	US	11/16/2004	OTH		10/990,774	UTL	ABANDONED	7/14/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00290US02	US	11/16/2004	OTH	Systems and Methods for Implementing Person-to-Person International Money Exchanges	10/990,775	UTL	ABANDONED	7/14/2004		
Y00290US00	US	7/14/2004	NEW	Systems and Methods for Implementing Person-to-Person Money Exchange	60/588,182	PRV	CONV PRV	7/14/2004		
Y00287US00	US	4/4/2003	NEW	SYSTEMS AND METHODS FOR GENERATING CONCEPT UNITS FROM SEARCH QUERIES	60/460,222	PRV	EXPIRED	4/4/2003		
Y00284US00	US	2/22/2000	NEW	Systems and Methods for Matching Participants to a Conversation	09/510,201	UTL	ISSUED	2/22/2000	11/18/2003	6,651,086
Y00283US00	US	1/31/2001	NEW	System for Dynamic Generation of Online Streaming Media Advertisements	09/773,943	UTL	ABANDONED	1/31/2001		
Y00281US01	US	2/28/2002	FCA	System and Methods for Targeting Online Advertiser and Merchant Marketing Campaigns Based on User Behavior	10/086,651	UTL	ABANDONED	2/28/2001		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00281US00	US	2/28/2001	NEW	System and Methods for Targeting Online Advertiser and Merchant Marketing Campaigns Based on User Behavior	60/272,631	PRV	CONV PRV	2/28/2001		
Y00279US00	US	7/1/2003	NEW	System and Method of Placing a Search Listing in at Least One Search Result List	10/610,729	UTL	ABANDONED	7/1/2003		
Y00276US01	US	6/26/2003	FCA	System And Method For Communicating Images Between Intercommunicating Users	10/609,183	UTL	ISSUED	6/26/2002	3/24/2009	7,509,377
Y00276US00	US	6/26/2002	NEW	SYSTEM AND METHOD FOR TRANSMITTING IMAGES BETWEEN INTERCOMMUNICATING USERS	60/392,174	PRV	CONV PRV	6/26/2002		
Y00275US09	US	9/21/2004	FCA	Selective Electronic Messaging Within An Online Social Network For Spam Detection	10/946,630	UTL	ABANDONED	1/29/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00274US00	US	7/18/2000	NEW	System and Method for Selecting Alternative Advertising Inventory in Place of Sold Out Advertising Inventory	09/617,584	UTL	ABANDONED	7/18/2000		
Y00270US01	US	7/26/2006	CON	SYSTEM AND METHOD FOR PROVIDING A WEBPAGE	11/493,206	UTL	ABANDONED	6/25/2003		
Y00260US12	US	10/5/2007	DIV	System and Method for Performing Purchase Transactions Utilizing a Broadcast-Based Device	11/867,863	UTL	ISSUED	8/29/2003	4/7/2009	7,516,092
Y00260US11	US	1/6/2004	FCA	System and Method for Providing a User Interface	10/752,739	UTL	ABANDONED	8/29/2003		
Y00260US10	US	1/6/2004	FCA	System and Method for Customizing a Multimedia Interface	10/752,824	UTL	ABANDONED	8/29/2003		
Y00260US09	US	1/6/2004	FCA	System and Method for Searching Content Using a Multimedia Interface	10/752,823	UTL	ABANDONED	8/29/2003		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00260US08	US	1/6/2004	FCA	System and Method for Navigation of a Multimedia Interface	10/752,762	UTL	ABANDONED	8/29/2003		
Y00260US07	US	1/6/2004	FCA	System and method for integrating broadcast content and non-broadcast content in an interface	10/752,761	UTL	ABANDONED	8/29/2003		
Y00260US06	US	1/6/2004	FCA	System and Method for Presenting Non-Broadcast Content on a Broadcast-Based Device	10/752,744	UTL	ABANDONED	8/29/2003		
Y00260US05	US	1/6/2004	FCA	System and Method for Presenting Fantasy Sports Content with Broadcast Content	10/752,743	UTL	ISSUED	8/29/2003	11/25/2008	7,458,093
Y00260US03	US	1/6/2004	FCA	System and Method for Performing Purchase Transactions Utilizing a Broadcast-Based Device	10/752,620	UTL	ISSUED	8/29/2003	3/18/2008	7,346,556
Y00260US02	US	1/6/2004	FCA	System and Method for Auctioning Utilizing a Broadcast-Based Device	10/752,738	UTL	ABANDONED	8/29/2003		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00260US01	US	1/6/2004	FCA	System and Method for Accessing Specialized Content Associated with Broadcast Content	10/752,819	UTL	ABANDONED	8/29/2003		
Y00260US00	US	8/29/2003	NEW	System and Method for Integrating Data with Broadcast Content	60/498,899	PRV	CONV PRV	8/29/2003		
Y00258US00	US	3/30/2005	NEW	Streaming Media Content Delivery System and Method for Delivering Streaming Content	11/094,055	UTL	ISSUED	3/30/2005	12/28/2010	7,860,993
Y00254US08	US	8/29/2008	CON	Method And System For Managing Digital Content Including Streaming Media	12/201,318	UTL	ISSUED	2/27/2004	4/17/2012	8,161,027
Y00254US07	US	10/22/2003	CIP	System and method for controlling access to digital content, including streaming media	10/692,444	UTL	ISSUED	6/6/2001	4/8/2008	7,356,838
Y00254US06	US	5/12/2003	DCA	Method for Controlling Access to Digital Content and Streaming Media	10/416,623	UTL	ISSUED	6/6/2001	5/18/2010	7,721,339

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00254US05	US	5/15/2003	DCA	System and method for controlling access to digital content, including streaming media	10/416,975	UTL	ISSUED	6/6/2001	3/25/2008	7,350,231
Y00254US04	US	2/27/2004	NEW	Method And System For Managing Digital Content Including Streaming Media	10/789,722	UTL	ISSUED	2/27/2004	9/2/2008	7,421,454
Y00244US01	US	6/30/2008	CON	Space-Optimizing Content Display	12/165,592	UTL	PUBLISHED	8/29/2003		
Y00244US00	US	8/29/2003	NEW	Space-Optimizing Content Display (aka Dynamic Menu Control)	10/651,476	UTL	ISSUED	8/29/2003	7/1/2008	7,395,500
Y00239US01	US	11/3/2003	FCA	Self-Service Platform for Selling Advertisements	10/700,837	UTL	ABANDONED	7/28/2003		
Y00239US00	US	6/28/2003	NEW	Self-Service Platform for Selling Advertising	60/490,741	PRV	CONV PRV	6/28/2003		
Y00237US00	US	9/19/2003	NEW	Self-Service Catalog Manager for Stores Implemented on a Communications Network	60/504,577	PRV	CONV PRV	9/19/2003		
Y00227US00	US	7/10/2000	NEW	Scalable & Programmable Query Distribution & Collection in a Network of Queryable Devices	60/217,250	PRV	CONV PRV	7/10/2000		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00223US00	US	9/3/1999	NEW	Proximity-Based Redirection System for Robust & Scalable Service-Nose Location in an Internetwork	60/152,257	PRV	CONV PRV	9/3/1999		
Y00220US00	US	8/24/2000	NEW	Processing of Unsolicited Bulk Electronic Mail	09/645,645	UTL	ABANDONED	8/24/2000		
Y00215US02	US	6/29/2004	FCA	User-Specific Vertical Search	10/881,730	UTL	PUBLISHED	1/16/2004		
Y00215US00	US	1/16/2004	NEW	Personalized Vertical Search	60/537,383	PRV	CONV PRV	1/16/2004		
Y00213US07	US	10/5/2006	CON	Performing Multicast Communication In Computer Networks By Using Overlay Routing	11/544,792	UTL	ABANDONED	1/11/1999		
Y00213US00	US	1/11/1999	NEW	System for Providing Application-Level Features to Multicast Routing in Computer Networks	60/115,454	PRV	CONV PRV	1/11/1999		
Y00212US01	US	6/16/2004	FCA	Techniques for Parental Control of Internet Access Including a Guest Mode	10/870,310	UTL	ABANDONED	1/15/2004		
Y00212US00	US	1/15/2004	NEW	Parental Controls Authentication	60/536,870	PRV	CONV PRV	1/15/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00211US02	US	5/15/2001	FCA	Parental Control System for Use in Connection with Account- Based Internet Access Server	09/858,855	UTL	ABANDONED	5/16/2000		
Y00211US00	US	5/16/2000	NEW	Parental Control System for Use in Connection with Account-Based Internet Access Server	60/204,910	PRV	CONV PRV	5/16/2000		
Y00210US02	US	6/5/2008	CON	Optimal Storage and Retrieval of XML Data	12/134,176	UTL	ABANDONED	8/31/2004		
Y00206US00	US	8/14/2000	NEW	OFFLINE-ONLINE INCENTIVE POINTS SYSTEM AND METHOD	09/638,457	UTL	ABANDONED	8/14/2000		
Y00205US02	US	9/15/2004	NEW	Automatic Updating of Trust Networks in Recommender System	10/942,335	UTL	ABANDONED	9/15/2004		
Y00197US02	US	1/31/2005	FCA	Method and Apparatus for providing Dynamic Moods for Avatars	11/047,010	UTL	ABANDONED	1/30/2004		
Y00196US00	US	11/10/2003	NEW	Method, Apparatus, and System for Providing a Server Agent for a Mobile Device	60/518,989	PRV	CONV PRV	11/10/2003		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00193US00	US	4/25/2002	NEW	Method for the Real-Time Distribution of Streaming Data on a Network	10/132,974	UTL	ISSUED	4/25/2002	12/4/2007	7,305,483
Y00192US01	US	7/24/2003	FCA	Method for Ranking User Preferences	10/626,151	UTL	ABANDONED	4/16/2003		
Y00192US00	US	4/16/2003	NEW	Method for Ranking User Preferences	60/463,745	PRV	CONV PRV	4/16/2003		
Y00190US01	US	9/20/2006	CON	Method for Processing Web-Based New and Used Good Comparison Shopping (Catalog Management System)	11/524,089	UTL	ABANDONED	10/14/1999		
Y00188US05	US	9/6/2005	FCA	ONLINE DATING SERVICE ENABLING TESTIMONIALS FOR A SERVICE SUBSCRIBER	11/220,002	UTL	ABANDONED	9/15/2004		
Y00188US04	US	9/2/2005	FCA	System and Method of Modifying an On-Line Dating Search Using Inline Editing	11/218,904	UTL	ABANDONED	9/15/2004		
Y00188US02	US	2/11/2005	FCA	Online Dating Service Providing Response Tracking for a Service Subscriber	11/057,075	UTL	ABANDONED	9/15/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00188US01	US	12/14/2004	FCA	System and Method of Automatically Modifying an Online Dating Service Search Using Compatibility Feedback	11/012,543	UTL	ABANDONED	9/15/2004		
Y00187US14	US	5/26/2006	CON	Remote Web Site Authoring System and Method	11/442,659	UTL	ABANDONED	2/13/1997		
Y00187US12	US	2/13/1997	NEW	REMOTE WEB SITE AUTHORIZING SYSTEM and METHOD	08/799,915	UTL	EXPIRED	2/13/1997	1/29/2002	6,343,302
Y00187US11	US	1/2/2002	CON	Remote Web Site Authoring System and Method	10/038,285	UTL	EXPIRED	2/13/1997	6/17/2003	6,581,061
Y00187US10	US	5/27/1997	FCA	METHOD FOR CLIENT-SERVER COMMUNICATIONS THROUGH A MINIMAL INTERFACE	08/863,874	UTL	EXPIRED	5/27/1997	3/20/2001	6,205,469
Y00187US08	US	4/14/2003	CON	Remote Web Site Authoring System and Method	10/414,445	UTL	EXPIRED	2/13/1997	6/13/2006	7,062,492
Y00187US06	US	2/12/1999	FCA	Search Engine Using Sales and Revenues to Weight Search Results	09/249,828	UTL	ISSUED	2/13/1998	10/7/2003	6,631,372
Y00187US02	US	2/13/1998	NEW	Search Engine Using Sales and Revenues to Weight Search Results	60/074,678	PRV	CONV PRV	2/13/1998		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00180US00	US	3/11/2004	NEW	Method and System of Enhanced Messaging	10/798,193	UTL	ISSUED	3/11/2004	2/3/2009	7,487,441
Y00178US00	US	7/12/2001	NEW	Method And System Of Automatic Bandwidth Detection	09/903,888	UTL	ISSUED	7/12/2001	7/29/2003	6,601,009
Y00177US00	US	8/29/2003	NEW	SYSTEM AND METHOD FOR ENSURING CONSISTENT WEB DISPLAY BY MULTIPLE INDEPENDENT CLIENT PROGRAMS WITH A SERVER THAT IS NOT PERSISTENTLY CONNECTED TO CLIENT COMPUTER SYSTEMS	10/651,473	UTL	ISSUED	8/29/2003	12/23/2008	7,469,302
Y00176US00	US	2/5/2004	NEW	Method and System for Simplified Access to Alerts with a Mobile Device	10/772,532	UTL	ABANDONED	2/5/2004		
Y00173US00	US	5/27/2004	NEW	METHOD AND SYSTEM FOR SEGMENTATION OF A MESSAGE INBOX	10/856,007	UTL	ISSUED	5/27/2004	9/23/2008	7,428,579
Y00168US00	US	3/26/2008	OTH	Method and Apparatus for Providing Sponsored Search Ads for an Esoteric Web Search Query	12/055,773	UTL	ABANDONED	3/26/2008		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00162US00	US	5/21/2004	NEW	Method and system for providing a disposable email address	10/850,642	UTL	ABANDONED	5/21/2004		
Y00160US00	US	6/18/2001	NEW	Method and System for Predicting Aggregate Behavior Using On-Line Interest Data	09/884,821	UTL	ABANDONED	6/18/2001		
Y00155US00	US	9/24/2003	NEW	System and method for managing an advertising campaign on a network	10/671,268	UTL	ABANDONED	9/24/2003		
Y00152US01	US	4/2/2004	FCA	Method and system for image verification to prevent messaging abuse	10/817,126	UTL	ISSUED	4/4/2003	12/21/2010	7,856,477
Y00152US00	US	4/4/2003	NEW	Method and system for image verification to prevent email abuse	60/460,707	PRV	CONV PRV	4/4/2003		
Y00151US00	US	2/26/2004	NEW	Method and system for generating recommendations	10/789,869	UTL	PUBLISHED	2/26/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00148US00	US	5/16/2001	NEW	METHOD AND SYSTEM FOR DISPLAYING RELATED COMPONENTS OF A MEDIA STREAM THAT HAS BEEN TRANSMITTED OVER A COMPUTER NETWORK	09/859,564	UTL	ISSUED	5/16/2001	6/7/2005	6,903,779
Y00147US00	US	6/11/2004	NEW	Method and System for Delivery Alerts to a User	10/866,066	UTL	ISSUED	6/11/2004	3/18/2008	7,346,630
Y00146US00	US	2/14/2002	CON	Method And System For Delivering A Composite Information Stream Over A Computer Network	10/077,282	UTL	ABANDONED	5/16/2001		
Y00139US00	US	1/28/2004	NEW	Method and System for Associating a Signature with a Mobile Device	10/767,004	UTL	ABANDONED	1/28/2004		
Y00138US04	US	12/20/2007	CON	Method and System for Data Collection for Alert Delivery	11/961,953	UTL	ISSUED	6/13/2003	7/27/2010	7,765,228
Y00138US02	US	6/11/2004	FCA	Method and System for Alert Delivery Architecture	10/866,064	UTL	ISSUED	6/13/2003	11/28/2006	7,143,118
Y00138US01	US	6/11/2004	FCA	Method and System for Data Collection for Alert Delivery	10/866,065	UTL	ISSUED	6/13/2003	2/19/2008	7,334,001

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00138US00	US	6/13/2003	NEW	Method and System for Alert Delivery Architecture	60/478,401	PRV	CONV PRV	6/13/2003		
Y00137US00	US	7/27/2001	NEW	METHOD AND SYSTEM FOR ADDING REAL-TIME INTERACTIVE FUNCTIONALITY TO A WEB-PAGE	09/916,543	UTL	ABANDONED	7/27/2001		
Y00136US01	US	6/1/1999	NEW	System for Multipoint Infrastructure Transport in a Computer Network	60/137,153	PRV	CONV PRV	6/1/1999		
Y00135US04	US	1/28/2004	CON	System for Bandwidth Allocation in a Computer Network	10/767,227	UTL	ABANDONED	6/1/1999		
Y00135US00	US	6/1/1999	NEW	System for Bandwidth Allocation in a Computer Network	60/137,160	PRV	CONV PRV	6/1/1999		
Y00129US00	US	5/10/1999	NEW	Removing Cookies from Web Page Response Headers and Storing the Cookies in a Repository for Later Use (formerly: METHOD AND APPARATUS FOR PROXY SERVER COOKIES)	09/309,161	UTL	ISSUED	5/10/1999	6/21/2005	6,910,180

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00121US00	US	5/1/1989	NEW	Method and Apparatus for Computer Understanding and Manipulation of Minimally Formatted Text Documents	07/345,930	UTL	EXPIRED	5/1/1989	11/17/1992	5,164,899
Y00112US01	US	5/19/2004	FCA	Mapping Method and System	10/849,083	UTL	ABANDONED	5/20/2003		
				Listing Service Tracking System and Method for Tracking a User's Interaction with a Listing Service	10/718,869	UTL	ABANDONED	10/20/2003		
Y00108US00	US	11/20/2003	NEW	Lateral Search	60/533,327	PRV	CONV PRV	12/29/2003		
Y00106US00	US	12/29/2003	NEW	Integration of Personalized Portals with Web Content Syndication	13/222,416	UTL	ABANDONED	3/15/2004		
Y00097US02	US	8/31/2011	CON	Integration of instant messaging with Internet searching	10/828,514	UTL	ISSUED	4/19/2004	8/5/2008	7,409,384
Y00096US00	US	4/19/2004	NEW	Information Retrieval from Hierarchical Compound Documents	08/963,372	UTL	EXPIRED	11/3/1997	11/23/1999	5,991,756
Y00093US00	US	11/3/1997	NEW	Information Display Systems and Methods	09/839,799	UTL	ABANDONED	4/20/2000		
Y00092US02	US	4/19/2001	FCA							

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00092US00	US	4/20/2000	NEW	Media and Information Display Systems and Methods	60/198,713	PRV	CONV PRV	4/20/2000		
Y00084US00	US	7/26/1999	NEW	GEOGRAPHIC DATA LOCATOR	09/360,901	UTL	ABANDONED	7/26/1999		
Y00081US05	US	10/31/2007	CON	Game server for use in connection with a messenger server	11/933,058	UTL	ISSUED	7/3/2000	3/4/2014	8,663,011
Y00081US04	US	9/18/2003	CON	Game server for use in connection with a messenger server	10/665,932	UTL	ABANDONED	7/3/2000		
Y00081US03	US	7/2/2001	FCA	Game server for use in connection with a messenger server	09/898,746	UTL	ISSUED	7/3/2000	3/2/2004	6,699,125
Y00081US00	US	7/3/2000	NEW	Game Server for Use in Connection with a Messenger Server	60/215,710	PRV	CONV PRV	7/3/2000		
Y00078US02	US	3/7/2001	FCA	Information Display System and Methods	09/801,439	UTL	ABANDONED	3/8/2000		
Y00078US00	US	3/8/2000	NEW	Financial Information Display	60/187,683	PRV	CONV PRV	3/8/2000		
Y00075US00	US	8/29/2003	NEW	Extensible User Interface	10/652,379	UTL	ABANDONED	8/29/2003		
Y00072US01	US	2/3/2012	CON	Email System	13/365,690	UTL	ISSUED	10/7/2002	10/16/2012	8,291,032
Y00072US00	US	10/7/2002	NEW	Email System	10/267,004	UTL	ISSUED	10/7/2002	2/14/2012	8,117,264

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00071US00	US	8/11/1999	NEW	Electronic Commerce System for Referencing Remote Commerce Sites at a Local Commerce Site	09/372,350	UTL	ISSUED	8/11/1999	12/24/2002	6,499,052
Y00070US00	US	5/30/2002	NEW	Efficient Provision-Side Distribution Control and Preload Architecture	10/161,092	UTL	ABANDONED	5/30/2002		
Y00062US01	US	4/4/2002	FCA	Delta Encoding Using Canonical Reference Files	10/117,006	UTL	ABANDONED	4/5/2001		
Y00062US00	US	4/5/2001	NEW	Delta Encoding Using Canonical Base Files	60/282,303	PRV	CONV PRV	4/5/2001		
Y00058US02	US	10/10/2006	CON	Data Sharing	11/546,136	UTL	ABANDONED	11/19/2003		
Y00058US00	US	11/19/2003	NEW	Data Sharing	60/523,844	PRV	CONV PRV	11/19/2003		
Y00054US01	US	5/16/2005	FCA	Content Management System for User Behavior Targeting	11/130,592	UTL	ABANDONED	6/2/2004		
Y00046US01	US	3/1/2004	FCA	Community-Based Green List for AntiSpam	10/790,332	UTL	ISSUED	10/31/2003	2/20/2007	7,181,498
Y00046US00	US	10/31/2003	NEW	Community-Based Green List for AntiSpam	60/516,003	PRV	CONV PRV	10/31/2003		
Y00043US01	US	3/11/2004	FCA	Command Center and Interface for Web Based Business Merchandising and Service	10/800,128	UTL	ISSUED	9/19/2003	12/1/2009	7,627,829

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00043US00	US	9/19/2003	NEW	COMMAND CENTER AND INTERFACE FOR WEB BASED BUSINESS MERCHANDISING AND SERVICE	60/504,084	PRV	CONV PRV	9/19/2003		
Y00042US03	US	6/27/2012	CON	Clearinghouse for Messages Between Disparate Networks	13/535,036	UTL	ISSUED	5/10/2004	8/20/2013	8,516,067
Y00042US02	US	8/20/2009	CON	Clearinghouse for Messages Between Disparate Networks	12/545,002	UTL	ISSUED	5/10/2004	7/24/2012	8,230,029
Y00042US01	US	5/10/2005	FCA	Clearinghouse for Messages Between Disparate Networks	11/125,809	UTL	ISSUED	5/10/2004	12/1/2009	7,626,991
Y00042US00	US	5/10/2004	NEW	Clearinghouse for Messages Between Disparate Networks	60/569,915	PRV	CONV PRV	5/10/2004		
Y00039US04	US	7/10/2008	CON	Canonicalization Of Terms In A Keyword- Based Presentation System	12/170,768	UTL	ABANDONED	4/4/2003		
Y00038US00	US	4/20/2004	NEW	Calendar Alert Integration with Status and Visibility in Instant Messaging Applications	60/564,196	PRV	CONV PRV	11/26/2003		
Y00035US05	US	6/24/2008	CON	Search Query User Interface	12/145,079	UTL	ISSUED	9/13/2002	12/5/2017	9,836,550

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00035US04	US	6/24/2008	CON	Dynamic Embedded Video Player	12/145,046	UTL	ISSUED	9/13/2002	1/17/2017	9,547,725
Y00035US03	US	6/24/2008	DIV	Adaptable User Interface	12/145,030	UTL	PUBLISHED	9/13/2002		
Y00035US02	US	9/3/2003	FCA	Improved Browser User Interface	10/654,875	UTL	ABANDONED	9/13/2002		
Y00035US01	US	9/4/2003	FCA	Browser User Interface	10/656,846	UTL	ABANDONED	9/13/2002		
Y00035US00	US	9/13/2002	NEW	Browser User Interface	60/410,510	PRV	CONV PRV	9/13/2002		
Y00034US03	US	10/28/2005	FCA	Search Systems and Methods with Integration of User Judgements Including Trust Networks	11/262,511	UTL	ABANDONED	3/15/2004		
Y00032US02	US	4/19/2005	CIP	Back Button Schema In Mobile Applications	11/110,575	UTL	ABANDONED	11/10/2003		
Y00032US01	US	6/14/2004	FCA	'Back' Button in Mobile Applications	10/868,416	UTL	ABANDONED	11/10/2003		
Y00032US00	US	11/10/2003	NEW	'Back' Button in Mobile Applications	60/518,898	PRV	CONV PRV	11/10/2003		
Y00030US03	US	12/28/2010	DIV	Assigning Into One Set Of Categories Of Categories Information That Has Been Assigned To Other Sets Of Categories	12/980,162	UTL	ABANDONED	2/27/2004		
Y00013US01	US	11/30/2004	FCA	Method and apparatus for adaptive personalization of navigation	11/000,431	UTL	ABANDONED	4/2/2004		

2017-12-31 Patent Assignment Exhibit 1

Reference #	Country ID	Filed Date	New/Con	Title	Serial #	Type	Status	Priority Date	Issue Date	Patent #
Y00013US00	US	4/2/2004	NEW	Adaptive Personalization of Navigation for Network Header	60/559,101	PRV	CONV PRV	4/2/2004		
Y00006US01	US	8/1/2003	FCA	A Method and Apparatus for Assessment of Effectiveness of Advertisements on an Internet Hub Network	10/633,168	UTL	ABANDONED	4/10/2003		
Y00006US00	US	4/10/2003	NEW	A Method and Apparatus for Assessment of Effectiveness of Advertisements on an Internet Hub Network	60/461,904	PRV	CONV PRV	4/10/2003		
Y00005US00	US	12/20/1999	NEW	Content Distribution System for Operations Over an Internetwork Including Content Peering Arrangement	60/172,746	PRV	CONV PRV	12/20/1999		
Y00003US01	US	3/21/2003	NEW	System and Method of Modifying the Price Paid by an Advertiser in a Search Result List	10/395,033	UTL	ABANDONED	3/21/2003		