504098034 11/16/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SRIVIDYA SRIRAM	02/29/2012

RECEIVING PARTY DATA

Name:	GOOGLE INC.
Street Address:	1600 AMPHITHEATRE PARKWAY
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13485565

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	10029-04884 US
NAME OF SUBMITTER:	PAIGE M. ALSBURY
SIGNATURE:	/Paige Alsbury/
DATE SIGNED:	11/16/2016

Total Attachments: 3

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PATENT 504098034 REEL: 040340 FRAME: 0200

Attorney's Docket No. 0026-0299

ASSIGNMENT (Joint) Worldwide Rights

THIS ASSIGNMENT, by Jasson Arthur SCHROCK, Chase HENSEL, Andre ROHE, Srividya SRIRAM, Vikas SUKLA, Allah BANAAG, Krishna BHARAT, Andrey PRIGOGIN, and Samuel FELDER residing at 877 Heatherstone Way, Mountain View, CA 94040, 774 Oak Street, San Francisco, CA 94117, 71 Olive Court, Mountain View, CA 94041, 460 Scott Street, San Francisco, CA 94117, 764 Islay Court, Sunnyvale, CA 94087, 2534 Scaboard Avenue, San Jose, CA 95131, 1458 Sierra Creek Way, San Jose, CA 95132, 912 Notre Dame Avenue, Belmont, CA 94002, and 971 1st Avenue #3B, New York, NY 10022 (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in <u>DISPLAY OF</u>
TOPICS USING AN EXPANDED VIEW set forth in an application for Letters Patent of the United States,

(1)	 Which is a provisional application (a) ☐ filed herewith; or 	•	•
	(a) I filed herewith; or (b) bearing Application No. 61/491,82	2, and filed on May 31, 2011;	or
(2)	which is a non-provisional application (a) having an oath or declaration exe application:	cuted on even date herewith	prior to filing o
	(b) bearing Application No. (c) filed herewith, and	, and filed on	or

We hereby authorize Applicants' representative to fill in the preceding information relating to the filling date and/or serial number, as appropriate:

WHEREAS, Google Inc., a corporation of the state of Delaware, having its principal place of business at 1600 Amphitheatre Parkway, Building 41, Mountain View, California 94043 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, into the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, any previously or subsequently filed provisional applications, and in and to any and all applications claiming priority to said applications, including divisions, continuations, and continuations—in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been inade;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are

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Joint Assignment Attorney's Docket No.: 0026-0299

unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee. its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters. Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

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Date:	
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Chase HENSEL	Witness Name
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Date:	7.
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Andre ROHE	Witness Name
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Date:	•
*	Witness Signature

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Srividya SRIRAM	DHVANI PATELS SMITH Witness Name
Date: 2 29 2012	Witness/Signature
* : *	
Vikas SUKLA.	Witness Name
Date:	
	Witness Signature
Allan BANAAG	Witness Name
	w trress famile
Date:	Witness Signature
Krishna BHARAT	Witness Name
Date:	Witness Signature
Andrey PRIGOGIN	Witness Name
Date:	Witness Signature
Samuel FELDER	Witness Name
Date:	
	Witness Signature

PATENT REEL: 040340 FRAME: 0203