503852569 06/02/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3899218

NATURE OF CONVEYANCE: Corrective Assignment to correct the APPLICATION FILING DATE SHOWN ON THE ASSIGNMENT previously recorded on Reel	
Frame 0116. Assignor(s) hereby confirms the ASSIGNMENT CASSIGNORS.	038720

CONVEYING PARTY DATA

Name	Execution Date
SHIVAKUMAR VENKATARAMAN	04/29/2016
SRDJAN PETROVIC	04/27/2016
ARNAR MAR HRAFNKELSSON	05/25/2016
WILLIAM SANDS ROBINSON	04/27/2016
ALAN WAYNE BLOUNT	04/29/2016
DAVID LLOYD JONES	04/27/2016
TARUN KUMAR JAIN	04/27/2016

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:	14909084

CORRESPONDENCE DATA

Fax Number: (240)359-4879

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.

Phone: 912.257.4864

Email: ssullivan@jmi-iplaw.com

Correspondent Name: JOHNSON, MARCOU & ISAACS, LLC

Address Line 1: 317A EAST LIBERTY STREET Address Line 4: SAVANNAH, GEORGIA 31401

ATTORNEY DOCKET NUMBER:	GOOG-3264US
NAME OF SUBMITTER:	SHARON SULLIVAN

PATENT 503852569 REEL: 038864 FRAME: 0001

SIGNATURE:	/Sharon Sullivan/	
DATE SIGNED:	06/02/2016	
Total Attachments: 6		
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PATENT REEL: 038864 FRAME: 0002

ASSIGNMENT

WHEREAS, WE,

- 1. Shivakumar Venkataraman, ASSIGNOR, a resident of Santa Clara, CA, the United States of America;
- 2. Srdjan Petrovic, ASSIGNOR, a resident of Palo Alto, CA, the United States of America:
- 3. Arnar Mar Hrafnkelsson, ASSIGNOR, a resident of Los Altos, CA, the United States of America:
- 4. William Sands Robinson, ASSIGNOR, a resident of Mountain View, CA, the United States of America;
- 5. Alan Wayne Blount, ASSIGNOR, a resident of Cambridge, MA, the United States of America:
- 6. David Lloyd Jones, ASSIGNOR, a resident of Sunnyvale, CA, the United States of America; and
- 7. Tarun Kumar Jain, ASSIGNOR, a resident of Sunnyvale, CA, the United States of America.

are the inventors of the invention described in

HANDLING SEARCH QUERIES

for which we have executed an application for a Patent of the United States

	which was filed here	ewith Tanuary 29	2016		
W	which was filed on	January 14, 2016	as U.S. Patent	Application No.	14/909,084; and

WHEREAS, Google Inc., a corporation of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and

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Attorney Docket: GOOG-3264US

continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of the instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, it successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

AND WE HEREBY authorize a representative of Johnson, Marcou & Isaacs, LLC, 317A East Liberty Street, Savannah, Georgia 31401, USA, to insert in the blanks above the filing date and application number of the U.S. Patent application when known.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year opposite our respective signatures.

Date: 4/29/2016	Signed: Strell Signed: BCA7BAC8974F4A6
	Shivakumar Venkataraman

DocuSigned by:

Date:	Signed:
Date:	Signed:Arnar Mar Hrafnkelsson
Date:	Signed: William Sands Robinson
4/29/2016 Date:	Signed:
4/27/2016 Date:	Signed: —499362C1FCAC407 David Lloyd Jones
4/27/2016 Date:	Signed: ——E2FB69F6188447C Tarun Kumar Jain

ASSIGNMENT

WHEREAS, WE,

- 1. Shivakumar Venkataraman, ASSIGNOR, a resident of Santa Clara, CA, the United States of America;
- 2. Srdjan Petrovic, ASSIGNOR, a resident of Palo Alto, CA, the United States of America:
- 3. Arnar Mar Hrafnkelsson, ASSIGNOR, a resident of Los Altos, CA, the United States of America:
- 4. William Sands Robinson, ASSIGNOR, a resident of Mountain View, CA, the United States of America;
- 5. Alan Wayne Blount, ASSIGNOR, a resident of Cambridge, MA, the United States of America:
- 6. David Lloyd Jones, ASSIGNOR, a resident of Sunnyvale, CA, the United States of America; and
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which was filed her	ewith January 29,	2016	
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Attorney Docket: GOOG-3264US

continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

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IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year opposite our respective signatures.

Date:	Signed:
	Chinakumar Vankataraman

Date:	Signed: Srdjan Petrovic
5/25/2016 Date:	Signed: Arnar Mar Hrafnkelsson
Date:	Signed:William Sands Robinson
Date:	Signed:Alan Wayne Blount
Date:	Signed: David Lloyd Jones
Date:	Signed:

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PATENT REEL: 038864 FRAME: 0008