

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JILIN CHEN	03/31/2016
AMY XIAN ZHANG	03/31/2016
SAGAR JAIN	04/07/2016
LICHAN HONG	04/01/2016
ED HUAI-HSIN CHI	04/02/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GOOGLE INC.
<b>Street Address:</b>	1600 AMPHITHEATRE PARKWAY
<b>City:</b>	MOUNTAIN VIEW
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94043
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15095626
<b>CORRESPONDENCE DATA</b>	
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<b>Correspondent Name:</b>	BRAKE HUGHES BELLERMANN LLP
<b>Address Line 1:</b>	C/O CPA GLOBAL
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<b>ATTORNEY DOCKET NUMBER:</b>	0059-226001
<b>NAME OF SUBMITTER:</b>	MELANIE GROVER
<b>SIGNATURE:</b>	/Melanie Grover; Reg. No. 63599/
<b>DATE SIGNED:</b>	04/11/2016
<b>Total Attachments: 2</b>	

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## ASSIGNMENT

WHEREAS, We, **JILIN CHEN**, residing in Sunnyvale, CA/USA, **AMY XIAN ZHANG**, residing in Cambridge, MA/USA, **SAGAR JAIN**, residing in Mountain View, CA/USA, **LICHAN HONG**, residing in Mountain View, CA/USA, and **ED HUAI-HSIN CHI**, residing in Palo Alto, CA/USA, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled **CROWDSOURCED EVALUATION AND REFINEMENT OF SEARCH CLUSTERS**;


WHEREAS, We hereby authorize and request the attorneys at Brake Hughes Bellermann LLP to insert here in parentheses (Ser. No. 15/095,626 ; Filing Date: April 11, 2016 ) the filing date and application number of said application when known.

AND WHEREAS, Google Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.


AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

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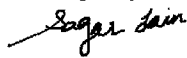
**Jilin CHEN**

Dated: 3/31/2016

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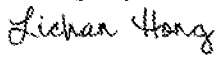
**Amy Xian ZHANG**

Dated: 3/31/2016

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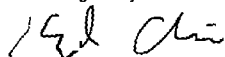
**Sagar JAIN**

Dated: 4/7/2016

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**Lichan HONG**

Dated: 4/1/2016

DocuSigned by:  
  
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**Ed Huai-Hsin CHI**

Dated: 4/2/2016