

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3345984

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRUCE WINSTON MURPHY	03/14/2013
MICHAEL STEVEN PERROW	03/16/2013
YIFEI LU	03/14/2013
KENDRA JAY CARATTINI	03/15/2013
<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>
Application Number:	14658899
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<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>	
<b>Phone:</b>	8642711592
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<b>Correspondent Name:</b>	DORITY & MANNING, P.A.
<b>Address Line 1:</b>	P.O. BOX 1449
<b>Address Line 4:</b>	GREENVILLE, SOUTH CAROLINA 29602
<b>ATTORNEY DOCKET NUMBER:</b>	GGL-775-CON
<b>NAME OF SUBMITTER:</b>	NEIL M. BATAVIA
<b>SIGNATURE:</b>	/neil m. batavia/
<b>DATE SIGNED:</b>	05/08/2015
<b>Total Attachments: 2</b>	
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ASSIGNMENT

For valuable consideration, we, Bruce Winston MURPHY of Pymont, Australia, Michael Steven PERROW of Pymont, Australia, Yifei LU of Maroubra, Australia, and Kendra Jay CARATTINI of Ashfield, New South Wales, Australia, hereby assign to: Google Inc., a corporation of Delaware having a place of business at: 1600 Amphitheatre Parkway, Mountain View, California 94043; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled CATEGORY GENERALIZATION FOR SEARCH QUERIES, filed March 15, 2013 \_\_\_\_\_, and assigned U.S. Application Number 13/839,953 \_\_\_\_\_, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

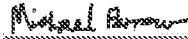
Date: Mar 14, 2013



Bruce Winston Murphy (Mar 14, 2013)

Bruce Winston MURPHY

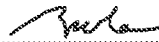
Date: Mar 16, 2013



Michael Steven Perrow (Mar 16, 2013)

Michael Steven PERROW

Date: Mar 14, 2013



Yifei Lu (Mar 14, 2013)

Yifei LU

Date: Mar 15, 2013



Kendra Carattini (Mar 15, 2013)

Kendra Jay CARATTINI