

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT6461659

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ERWIN CAN SAR	12/10/2013
TIMOTHY YOUNGJIN SOHN	12/12/2013
ANDREW TOMKINS	12/10/2013
VIJAY UMAPATHY	12/10/2013
<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:	17062248
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(502)588-1948
<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>	502-584-1135
<b>Email:</b>	jrooks@middletonlaw.com
<b>Correspondent Name:</b>	MIDDLETON REUTLINGER
<b>Address Line 1:</b>	401 S. 4TH STREET
<b>Address Line 2:</b>	SUITE 2600
<b>Address Line 4:</b>	LOUISVILLE, KENTUCKY 40202
<b>ATTORNEY DOCKET NUMBER:</b>	ZS202-21262
<b>NAME OF SUBMITTER:</b>	JOHN P. PURCELL
<b>SIGNATURE:</b>	/John P. Purcell/
<b>DATE SIGNED:</b>	12/21/2020
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

For valuable consideration, we, Erwin Can Sar of Mountain View, California; Timothy Youngjin Sohn of Mountain View, California; Andrew Tomkins of Menlo Park, California; and, Vijay Umapathy of Sunnyvale, California, 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 Determining a Ranking of Class Members of a Task Component Class, filed December 13, 2013, and assigned U.S. Serial Number 14/106,294, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial 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 names 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.

Erwin Can Sar  
Erwin Can Sar (Dec 10, 2013)

Erwin Can Sar

Date: Dec 10, 2013

Timothy Sohn  
Timothy Sohn (Dec 12, 2013)

Timothy Youngjin Sohn

Date: Dec 12, 2013

Andrew Tomkins  
Andrew Tomkins (Dec 10, 2013)

Andrew Tomkins

Date: Dec 10, 2013

Vijay Umapathy  
Vijay Umapathy (Dec 10, 2013)

Vijay Umapathy

Date: Dec 10, 2013