PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chengling Chan	09/30/2013
Maureen Heymans	08/20/2013
Jason L. Smart	08/09/2013

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:	16229314

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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apsi@fr.com, lswanson@fr.com Email:

ERICA M. DAVIS **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	16113-4807003
NAME OF SUBMITTER:	LISA SWANSON
SIGNATURE:	/Lisa Swanson/
DATE SIGNED:	01/04/2019

Total Attachments: 2

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> **PATENT** REEL: 047906 FRAME: 0087

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<u>ASSIGNMENT</u>

For valuable consideration, we, Chengling Chan of Burligame, CA; Maureen Heymans of San Francisco, CA; and Jason L. Smart of Alamo, CA, hereby assign to Google Inc., a corporation organized under the laws of Delaware having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043, and its successors and assigns (collectively, "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are the subject or subjects of a patent application naming us as inventor(s), with United States application or PCT international application number 61/861,634 and a filing date of August 2, 2013. This assignment includes 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. 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.

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Dated:	Sep 30, 2013	Che

O 2 - Changking Chan (Sop 30, 2010)

Chengling Chan

Dated: Aug 20, 2013

Mourace Seasons Heymans (Aug 30, 2013)

Maureen Heymans

Dated: Aug 9, 2013

Jason L. Smart

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