## 506189794 08/05/2020

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	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			
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State/Country:	CALIFO	CALIFORNIA		
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PROPERTY NUMBE	RS Total: 1			
Property Type		Number	Number	
Application Number	:	16918751		
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DATE SIGNED:		08/05/2020	08/05/2020	
Total Attachments: 2		and HE		
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## ASSIGNMENT

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

Changang Chan (Sep 80, 2010)

Chengling Chan

Dated: Aug 20, 2013

Mourse Mannen Haymans (Aug 20, 2013)

Maureen Heymans

Dated: Aug 9, 2013

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Jason L. Smart

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