505845865 01/03/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5892801

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YEW JIN LIM	11/04/2019
JAMES KUNZ	11/14/2019
RANDOLPH GREGORY BROWN	11/04/2019
BEIDOU WANG	11/06/2019
DAVID HOU	11/05/2019
KYLE ZARAGOZA	11/07/2019
YI LI	11/04/2019
NIKITA KIRNOSOV	11/04/2019
TAO FENG	11/05/2019

RECEIVING PARTY DATA

Name:	GOOGLE LLC	
Street Address:	1600 AMPHITHEATRE PARKWAY	
City:	MOUNTAIN VIEW	
State/Country:	CALIFORNIA	
Postal Code:	94043	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	62929002
Application Number:	16705919

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: ZS202-20005

PAIENI **REEL: 051409 FRAME: 0140** 505845865

NAME OF SUBMITTER:	BRANTLEY C. SHUMAKER	
SIGNATURE:	/Brantley C. Shumaker/	
DATE SIGNED: 01/03/2020		

Total Attachments: 2

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PATENT REEL: 051409 FRAME: 0141

ASSIGNMENT

For valuable consideration, we, Yew Jin Lim of Saratoga, California; James Kunz of Los Altos, California; Randolph Gregory Brown of Palo Alto, California; Beidou Wang of Mountain View, California; David Hou of Cupertino, California; Kyle Zaragoza of East Palo Alto, California; Yi Li of Palo Alto, California; Nikita Kirnosov of Foster City, California; and Tao Feng of San Jose, California, hereby assign to: Google LLC, a limited liability company 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 a Patent Cooperation Treaty Application signed by us, entitled Modeling Lift Of Metrics For Triggering Push Notifications, filed October 31, 2019, and assigned Application Number 62/929,002 , 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 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.

Uew Jin Lim	J-44 44-4 B4G93828C8IN476
Yew Jin Lim	James Kunz
Date: 11/4/2019	Date: 11/14/2019

Bozastizcrospana	DocuSigned by:
Randolph Gregory Brown	Beidou Wang
Date: 11/4/2019	Date: 11/6/2019
David Hou	SHAHOSSHOTONET Kyle Zaragoza
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Yi Li	Nikita Kirnosov
Date: 11/4/2019	Date: 11/4/2019
Tao Feng	

Date: 11/5/2019