505635954 08/22/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOHANNES KIFLE	03/04/2018
ANTON BASTOV	03/03/2018
AKSHAY R BAPAT	11/08/2017
GEORGE ALBAN HEITZ	11/09/2017
RIZWAN AHMED CHAUDHRY	11/08/2017
NAVNEET DALAL	11/08/2017
JAMES EDWARD STEWART	11/08/2017
JENNIFER BUSH	11/09/2017
JOE DELONE VENTERS	11/08/2017
KARA GATES	11/08/2017
TIMOTHY BUTLER	11/08/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15676868	

CORRESPONDENCE DATA

Fax Number: (650)843-4001

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.

Phone: 650-843-4000

Email: Linda.QUINTANA@MORGANLEWIS.COM

Correspondent Name: DOUGLAS J. CRISMAN

Address Line 1: MORGAN, LEWIS & BOCKIUS

Address Line 2: 1400 PAGE MILL ROAD

Address Line 4: PALO ALTO, CALIFORNIA 94304

505635954 PATENT REEL: 050140 FRAME: 0462

ATTORNEY DOCKET NUMBER:	104248-5222-US	
NAME OF SUBMITTER:	LINDA QUINTANA	
SIGNATURE:	/Linda Quintana/	
DATE SIGNED:	08/22/2019	
Total Attachments: 3		
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PATENT REEL: 050140 FRAME: 0463

ASSIGNMENT

HEITZ, citizen of United States, residing in Germany, residing in Palo Alto, CA; NAVY EDWARD STEWART, citizen of Canada, reresiding in San Jose, CA; JOE DELONE V GATES, citizen of United States, residing in On in Mountain View, CA, ASSIGNORS, are the	T, citizen of India, residing in Mountain View, CA; GEORGE ALBAN Mountain View, CA; RIZWAN AHMED CHAUDHRY, citizen of NEET DALAL, citizen of India, residing in Atherton, CA; JAMES esiding in Atherton, CA; JENNIFER BUSH, citizen of United States, ENTERS, citizen of United States, residing in Alameda, CA, KARA akland, CA, and TIMOTHY BUTLER, citizen of United States, residing the inventors of the invention in SYSTEMS AND METHODS OF REAMS described in an application for a Patent of the United States
which is executed on even date herev	vith
which is identified by Morgan, Lewis & Boo	kius LLP docket no. 104248-5223-US
which was filed on _August 14, 2017, Appli	cation No. 15/676,868
	atent Application No(s). 62/512,697
We hereby authorize and request our attorned in parenthesis (Application number number of said application when known.	ey, Douglas J. Crisman, of Morgan, Lewis & Bockius LLP, to insert here tiled the filing date and application
and WHEREAS, GOOGLE INC., ASSIGNED View, California 94043, is desirous of obtaining the said application:	E, having a place of business at 1600 Amphitheatre Parkway, Mountain g our entire right, title and interest in, to and under the said invention and
acknowledged, we, the said ASSIGNORS, have sell, assign, transfer and set over, unto the said right, title and interest in, to and under the s renewals and continuations thereof, and any su may be granted thereon and all reissues and extrany, on which the said United States application including, without limitation, all applications for invention in any country or countries foreign to right to claim for the same the priority right provisional patent application(s), if any, under the Protection of Industrial Property, or any other is such application is filed, as may be applicated limitation, patents, utility models, inventors' continuation.	valuable consideration, the receipt and sufficiency of which are hereby a sold, assigned, transferred and set over, and by these presents do hereby I ASSIGNEE, its successors, legal representatives and assigns, our entire said invention, and the said United States application and all divisions, betitute applications therefore, and all Patents of the United States which ensions thereof; the said United States provisional patent application(s), if on claims priority; and all applications for industrial property protection, repatents, utility models, and designs which may hereafter be filed for said the United States, together with the right to file such applications and the states derived from said United States application and said United States the Patent Laws of the United States, the International Convention for the international agreement or the domestic laws of the country in which any ole; and all forms of industrial property protection, including, without ertificates and designs which may be granted for said invention in any and all extensions, renewals and reissues thereof;
any Official of any country or countries foreign	est the Commissioner of Patents and Trademarks of the United States, and to the United States, whose duty it is to issue patents or other evidence or oplications as aforesaid, to issue the same to the said ASSIGNEE, its accordance with the terms of this instrument.
AND WE HEREBY covenant and agre that we have not executed, and will not execute,	e that we have full right to convey the entire interest herein assigned, and any agreement in conflict herewith.
AND WE HEREBY further covenant at legal representatives and assigns, any facts know all lawful papers, execute all divisional, continuido everything possible to aid the said ASSIGNI proper protection for said invention in all country	nd agree that we will communicate to the said ASSIGNEE, its successors, vn to us respecting said invention, and testify in any legal proceeding, sign ing, reissue and foreign applications, make all rightful oaths, and generally EE, its successors, legal representatives and assigns, to obtain and enforce ies.
IN TESTIMONY WHEREOF, We here signatures.	eunto set our hands and seals the day and year set opposite our respective
11/8/2017	la mit-
Date Date	AKSHAY R. BAPAT
4 10 1000 P	DocuSigned by:
11/9/2017 Date	LS.
	GEORGE ALBAN HEITZ

DB2/ 31854096.1

Date	11/8/2017	RIZWAN AHMED CHAUDHRY	LS.
Date	11/8/2017	Navneet by: NAVNEET DALAL	E.S.
Date	11/8/2017	JAMES EDWARD STEWART	£.Ŝ.
Date	11/9/2017	Ja J. B JENNIFER BUSH	L.S.
Date	11/8/2017	JOE DELONE VENTERS	L.S.
Date	11/8/2017	KARA GATES	L.S.
Date	11/8/2017	TIMOTHY BUTLER	L.S.

MORGAN, LEWIS & BOCKIUS LD DOCKET NO. 104248-5222-US

DB2/ 31854096.1

ASSIGNMENT

SYST	OV , citizen of United States, a	NES KIFLE, citizen of United States, residing in residing in Mountain View, CA, ASSIGNORS, are the R PERSON RECOGNITION DATA MANAGE Inited States	ne inventors of the invention in
	nich is executed on	date herewith	
_	· · · · · · · · · · · · · · · · · · ·	ewis & Bockius LLP docket no. 104248-5222-US	
⊠ wh	ich was filed on August 14, 20	17, Application No. 15/676,868	
□ w	hich claims priority on U.S. Pro	ovisional Patent Application No. 62/512,697	
□ W in nı	e hereby authorize and request parenthesis (Application numb imber of said application when	our attorney, Douglas J. Crisman, of Morgan, Lewis & er, filed, known.	& Bockius LLP, to insert here he filing date and application
and W View, the sa	HEREAS, GOOGLE LLC , California 94043, is desirous id application:	ASSIGNEE, having a place of business at 1600 Am of obtaining our entire right, title and interest in, to ar	phitheatre Parkway, Mountain and under the said invention and
sell, a right, renew may b any, c includ invent right provis Protec such limita	wledged, we, the said ASSIGN ssign, transfer and set over, un title and interest in, to and usuals and continuations thereof, e granted thereon and all reiss on which the said United State ing, without limitation, all application in any country or countries to claim for the same the prional patent application(s), if a stion of Industrial Property, or application is filed, as may be tion, patents, utility models, in	good and valuable consideration, the receipt and surious AORS, have sold, assigned, transferred and set over, a not the said ASSIGNEE, its successors, legal representation the said invention, and the said United States and any substitute applications therefore, and all Pateues and extensions thereof; the said United States proves application claims priority; and all applications for lications for patents, utility models, and designs which is foreign to the United States, together with the right triority rights derived from said United States applicantly, under the Patent Laws of the United States, the In any other international agreement or the domestic laws applicable; and all forms of industrial property inventors' certificates and designs which may be granited States and all extensions, renewals and reissues to	nd by these presents do hereby natives and assigns, our entire application and all divisions, ents of the United States which visional patent application(s), if industrial property protection, a may hereafter be filed for said of file such applications and the cation and said United States international Convention for the ws of the country in which any protection, including, without inted for said invention in any
forms	fficial of any country or country of industrial property protec	ze and request the Commissioner of Patents and Trade ries foreign to the United States, whose duty it is to iss tion on applications as aforesaid, to issue the sam assigns, in accordance with the terms of this instrumer	sue patents or other evidence or e to the said ASSIGNEE, its
that w	AND WE HEREBY covenage have not executed, and will n	nt and agree that we have full right to convey the enti- tot execute, any agreement in conflict herewith.	re interest herein assigned, and
all lav	epresentatives and assigns, any vful papers, execute all division	covenant and agree that we will communicate to the sy facts known to us respecting said invention, and testinal, continuing, reissue and foreign applications, maked ASSIGNEE, its successors, legal representatives and nall countries.	fy in any legal proceeding, signal all rightful oaths, and generally
signat	IN TESTIMONY WHEREC	OF, We hereunto set our hands and seals the day and y	vear set opposite our respective
D-4	3/4/2018	Yohannes kifte	1.0
Date		YOHANNES KIFLE	L.S.
		DocuSigned by:	
Date	3/3/2018	A Toas	L.S.
		ANTO N BASTOV	

DB2/ 31854096.1