503574966 11/18/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANJAY GHEMAWAT	05/27/2014
ANDREW FIKES	11/05/2015
CHRIS JORGEN TAYLOR	11/17/2015

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:	13910052				

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.

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DOUGLAS J. CRISMAN **Correspondent Name:**

Address Line 1: MORGAN, LEWIS & BOCKIUS

Address Line 2: 3000 EL CAMINO REAL, BLDG. 2, SUITE 700

Address Line 4: PALO ALTO, CALIFORNIA 94306

ATTORNEY DOCKET NUMBER:	060963-5880-US
NAME OF SUBMITTER:	LINDA QUINTANA
SIGNATURE:	/Linda Quintana/
DATE SIGNED:	11/18/2015

Total Attachments: 3

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PATENT REEL: 037072 FRAME: 0195 503574966

MORGAN, LEWIS & BOCKIUS LLP DOCKET NO. 060963-5880-US

ASSIGNMENT

USA residing in Los Altos, CA: and Chris	citizen of USA, residing in Mountain View, CA; Andrew Fikes, citizen of stopher Jorgen Taylor, citizen of USA, residing in Palo Alto, CA; in Collecting Processor Usage Statistics, described in an application							
□ which is executed on	with							
which is identified by Morgan, Lewis & Bo								
	which was filed on June 4, 2013, Application No. 13/910,052							
which claims priority on U.S. Provisional Pa								
Me hereby authorize and request our attorne	ev Douglas I Crisman of Morgan Lewis & Bockius LLP to insert here							
in parenthesis (Application numbernumber of said application when known.	, filed) 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 serenewals and continuations thereof, and any su may be granted thereon and all reissues and ext any, on which the said United States applicationally 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 applicable limitation, patents, utility models, inventors' country or countries foreign to the United States	valuable consideration, the receipt and sufficiency of which are hereby e sold, assigned, transferred and set over, and by these presents do hereby d ASSIGNEE, its successors, legal representatives and assigns, our entire said invention, and the said United States application and all divisions, ibstitute applications therefore, and all Patents of the United States which tensions thereof; the said United States provisional patent application(s), if on claims priority; and all applications for industrial property protection, or patents, utility models, and designs which may hereafter be filed for said the United States, together with the right to file such applications and the ts 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 tertificates and designs which may be granted for said invention in any sand all extensions, renewals and reissues thereof;							
any Official of any country or countries foreign	test the Commissioner of Patents and Trademarks of the United States, and a 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 agree that we have not executed, and will not execute,	ee that we have full right to convey the entire interest herein assigned, and any agreement in conflict herewith.							
legal representatives and assigns, any facts know	and agree that we will communicate to the said ASSIGNEE, its successors, who to us respecting said invention, and testify in any legal proceeding, signing, reissue and foreign applications, make all rightful oaths, and generally EE, its successors, legal representatives and assigns, to obtain and enforce ries.							
IN TESTIMONY WHEREOF, We here signatures.	eunto set our hands and seals the day and year set opposite our respective							
Mov 27, 2014	Alphant							
Date May 27, 2014	Senjay Ghernawal (May 27, 2014) L.S.							
	SANJAY GHEMAWAT							
Date	L.S.							
Date	ANDREW FIKES							
Date	L.S.							
	CHRISTOPHER JORGEN TAYLOR							

EchoSign Transaction Number: X9ZZR7E3X4I4433

Document Integrity Verified

ASSIGNMENT

	WHEREAS	S, WE,	Sanjay	GHEMAW.	AT, citizei	n of Unite	ed States	, residin	g in Mour	ntain View	, CA; A	Andrew
FIKES,	citizen of	Únited	States,	residing in I	Los Altos,	CA; and	Chris J	forgen T	ΓAYLOR,	citizen of	United	States,
residing	in Palo Alt	o, CA; A	ASSIGN	IORS, are the	e inventors	of the inv	ention ir	1 COLL	ECTING	PROCES	SOR U	JSAGE
STATIS	STICS, des	scribed i	n an app	olication for a	Patent of	the United	d States					

\boxtimes	hich is executed on 🛛 even date herewith
\boxtimes	hich is identified by Morgan, Lewis & Bockius LLP docket no. 060963-5880-US
\boxtimes	hich was filed on June 4, 2013, Application No. 13/910,052
	hich claims priority on U.S. Provisional Patent Application No(s). 61/655,445
]	Ve hereby authorize and request our attorney, Douglas J. Crisman, of Morgan, Lewis & Bockius LLP, to insert here a parenthesis (Application number, filed) the filing date and application number of said application when known.
and Vie he	WHEREAS, GOOGLE INC. , ASSIGNEE, having a place of business at 1600 Amphitheatre Parkway, Mountai, California 94043, is desirous of obtaining our entire right, title and interest in, to and under the said invention an id application:
sell rene nay ncl nve righ oro oro oro sucl im	NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are herebowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do herebossign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire title and interest in, to and under the said invention, and the said United States application and all divisions and continuations thereof, and any substitute applications therefore, and all Patents of the United States which the said United States application claims priority; and all applications for industrial property protection in any country or countries foreign to the United States, together with the right to file such applications and the claim for the same the priority rights derived from said United States application and said United States in application (s), if any, under the Patent Laws of the United States, the International Convention for the cition of Industrial Property, or any other international agreement or the domestic laws of the country in which an application is filed, as may be applicable; and all forms of industrial property protection, including, without on patents, utility models, inventors' certificates and designs which may be granted for said invention in any or countries foreign to the United States and all extensions, renewals and reissues thereof;
orr	AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, an Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, is ssors, legal representatives and assigns, in accordance with the terms of this instrument.
hat	AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and we have not executed, and will not execute, any agreement in conflict herewith.
10 C	AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successor representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, signful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generall erything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforcer protection for said invention in all countries.
sigr	IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respectivenes.
Date	L.S.
	Sanjay GHEMAWAT
3. 4	11/5/2015 DocuSigned by: L.S.
Oate	Andrew FIKES
	The second section of the second section is a second section of the second section of the second section is a second section of the section of the second section of the sec

Chris Jorgen TAYLOR

PATENT REEL: 037072 FRAME: 0197

ASSIGNMENT

WHEREAS, WE, Sanjay GHEMAWAT, citizen of United States, residing in Mountain View, CA; Andrew FIKES, citizen of United States, residing in Los Altos, CA; and Chris Jorgen TAYLOR, citizen of United States, residing in Palo Alto, CA; ASSIGNORS, are the inventors of the invention in COLLECTING PROCESSOR USAGE STATISTICS, described in an application for a Patent of the United States

⋈ which was filed on June 4, 2013, Ap⋈ which claims priority on U.S. Provis	s & Bockius LLP docket no. 060963-5880-US	LP, to insert here and application
and WHEREAS, GOOGLE INC. , ASS View, California 94043, is desirous of o the said application:	SIGNEE, having a place of business at 1600 Amphitheatre P btaining our entire right, title and interest in, to and under the	arkway, Mountain said invention and
acknowledged, we, the said ASSIGNOR sell, assign, transfer and set over, unto right, title and interest in, to and underenewals and continuations thereof, and may be granted thereon and all reissues any, on which the said United States ar including, without limitation, all application in any country or countries for right to claim for the same the priori provisional patent application(s), if any, Protection of Industrial Property, or any such application is filed, as may be a limitation, patents, utility models, investigations.	I and valuable consideration, the receipt and sufficiency of S, have sold, assigned, transferred and set over, and by these the said ASSIGNEE, its successors, legal representatives and ir the said invention, and the said United States application any substitute applications therefore, and all Patents of the U and extensions thereof; the said United States provisional pate opplication claims priority; and all applications for industrial priority in the United States, and designs which may hereafted to the United States, together with the right to file such a try rights derived from said United States application and sunder the Patent Laws of the United States, the International other international agreement or the domestic laws of the complicable; and all forms of industrial property protection, and of States and all extensions, renewals and reissues thereof;	presents do hereby assigns, our entire and all divisions, nited States which application(s), if roperty protection, ter be filed for said pplications and the said United States Convention for the untry in which any including, without
any Official of any country or countries forms of industrial property protection	nd request the Commissioner of Patents and Trademarks of the foreign to the United States, whose duty it is to issue patents o on applications as aforesaid, to issue the same to the saigns, in accordance with the terms of this instrument.	r other evidence or
AND WE HEREBY covenant a that we have not executed, and will not e	nd agree that we have full right to convey the entire interest he xecute, any agreement in conflict herewith.	erein assigned, and
legal representatives and assigns, any fac-	enant and agree that we will communicate to the said ASSIGN ats known to us respecting said invention, and testify in any leg continuing, reissue and foreign applications, make all rightful ossIGNEE, its successors, legal representatives and assigns, to I countries.	al proceeding, sign
IN TESTIMONY WHEREOF, vignatures.	We hereunto set our hands and seals the day and year set opport	osite our respective
Date	Sanjay GHEMAWAT	L.S.
Date	Andrew FIKES	L.S.

DocuSigned by:

Chris Jorgen TAYLOR

PATENT REEL: 037072 FRAME: 0198

L.S.

RECORDED: 11/18/2015

11/17/2015

Date