

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5116879

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTORS KARLUS HARTLINE AND LEUNG SHOULD BE CORRECTED TO BE: JEFF ROBERT KARPLUS HARTLINE AND PATRICK PUI WAH LEUNG previously recorded on Reel 030303 Frame 0246. Assignor(s) hereby confirms the ASSIGNMENT TO GOOGLE INC..
CONVEYING PARTY DATA	
Name	Execution Date
James Arnold Pack	04/25/2013
Bin Zhu	04/23/2013
Wiktor Tomczak	04/25/2013
Joseph E. Provost	04/23/2013
Tim Emiola	04/23/2013
JEFF ROBERT KARPLUS HARTLINE	04/24/2013
Michael DePasquale	04/23/2013
PATRICK PUI WAH LEUNG	04/23/2013
Christopher John DiGiano	04/23/2013
AbdelKarim F. Mardini	04/25/2013
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:	13798823
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<i>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.</i>	
Phone:	+1 (202) 626-7766
Email:	apsi@fr.com
Correspondent Name:	CHRISTOPHER MA
Address Line 1:	FISH & RICHARDSON P.C.

PATENT

Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	16113-4651001
NAME OF SUBMITTER:	LORI L. STEWART
SIGNATURE:	/Lori L. Stewart/
DATE SIGNED:	08/29/2018

Total Attachments: 4

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source=Corrected Assignment#page4.tif

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
James Arnold Pack	04/25/2013
Bin Zhu	04/23/2013
Wiktor Tomczak	04/25/2013
Joseph E. Provost	04/23/2013
Tim Emiola	04/23/2013
Jeff Robert Hartline <u>Jeff Robert Karplus Hartline</u>	04/24/2013
Michael DePasquale	04/23/2013
Patrick Pui Leung <u>Patrick Pui Wah Leung</u>	04/23/2013
Christopher John DiGiano	04/23/2013
AbdelKarim F. Mardini	04/25/2013

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:	13798823

CORRESPONDENCE DATA

Fax Number: 8777697945

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (612) 766-2022

Email: jhr@fr.com

Correspondent Name: Brian Bender

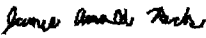
Address Line 1: FISH & RICHARDSON P.C.

CH \$40.00 13798823

ASSIGNMENT


For valuable consideration, we, James Arnold Pack of 52, Rue Damremont 75018 Paris France; Bin Zhu of 3500 Highcroft Circle Norcross, GA 30092; Wiktor Tomczak of maison Victor Lyon, CIUP 21 Boulevard Jourdan 75014 Paris France; Joseph E. Provost of 15 Rue Ferdinand Duval 75004 Paris France; Tim Emiola of 25 Rue de la Folie Mericourt 75011 Paris France; Jeff Robert Karplus Hartline of 10-12 Avenue Felix Faure 75015, Paris France; Michael DePasquale of 11 Rue de Thorigny 75003, Paris France; Patrick Pui Wah Leung of 109 Rue de Turenne 75003 Paris France; Christopher John DiGiano of 3510 Endicott Drive Boulder, CO 80305; and AbdelKarim F. Mardini of 42 Rue Beaubourg 75003 Paris France; 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 13/798,823 and a filing date of March 13, 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.

Dated: Apr 25, 2013


James Arnold Pack (Apr 25, 2013)

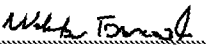
James Arnold Pack

Dated: Apr 23, 2013


Bin Zhu (Apr 23, 2013)

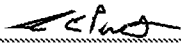
Bin Zhu

Dated: Apr 25, 2013


Wiktor Tomczak (Apr 25, 2013)

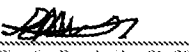
Wiktor Tomczak

Dated: Apr 23, 2013


Joseph Edwin Provost (Apr 23, 2013)

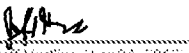
Joseph E. Provost

Dated: Apr 23, 2013


Timothy Emiola (Apr 23, 2013)


Tim Emiola

Dated: Apr 24, 2013


Jeff Hartline (Apr 24, 2013)

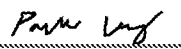
Jeff Robert Karplus Hartline

Dated: Apr 23, 2013


Michael DePasquale (Apr 23, 2013)


Michael DePasquale

Dated: Apr 23, 2013


Patrick Leung (Apr 23, 2013)

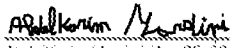
Patrick Pui Wah Leung

Dated: Apr 23, 2013


Christopher John DiGiano (Apr 23, 2013)

Christopher John DiGiano

Dated: Apr 25, 2013


AbdelKarim Mardini (Apr 25, 2013)

AbdelKarim F. Mardini

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Document Integrity Verified
RECORDED: 08/29/2018

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REEL: 046975 FRAME: 0762