502538421 10/18/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2583818

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	DATA	,,		
		Name	Execution Date	
Andrew Kadatch			04/12/2013	
Sergey Khorun			04/02/2013	
RECEIVING PARTY [DATA			
Name:	Google Inc.	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: 13		831219		
Application Number:	1;	3831219		
		3831219		
CORRESPONDENCE	E DATA			
	E DATA (877)70	3831219 69-7945 339-5164		
CORRESPONDENCE Fax Number: Phone: Email:	E DATA (877)74 (650) 8 crogers	69-7945 339-5164 s@fr.com		
CORRESPONDENCE Fax Number: Phone: Email: Correspondence will to	E DATA (877)70 (650) 8 crogers be sent via US Mail	69-7945 339-5164 s@fr.com when the email attempt is unsuccessfu	<i>l</i> .	
CORRESPONDENCE Fax Number: Phone: Email: Correspondence will to the correspondent Name	E DATA (877)70 (650) 8 crogers be sent via US Mail 1 : MICHA	69-7945 339-5164 s@fr.com when the email attempt is unsuccessfu AEL PORTNOV	vl.	
CORRESPONDENCE Fax Number: Phone: Email: Correspondence will to	E DATA (877)70 (650) 8 crogers be sent via US Mail 0 : MICHA	69-7945 339-5164 s@fr.com when the email attempt is unsuccessfu	d.	
CORRESPONDENCE Fax Number: Phone: Email: Correspondence will It Correspondent Name Address Line 1:	E DATA (877)70 (650) 8 crogers be sent via US Mail 10 : MICHA FISH 8 P.O.BO	69-7945 339-5164 s@fr.com when the email attempt is unsuccessfu AEL PORTNOV & RICHARDSON P.C.	d.	
CORRESPONDENCE Fax Number: Phone: Email: Correspondence will to Correspondent Name Address Line 1: Address Line 2:	E DATA (877)70 (650) 8 crogers be sent via US Mail 1 : MICHA FISH 8 P.O.BO	69-7945 339-5164 s@fr.com <i>when the email attempt is unsuccessfu</i> AEL PORTNOV & RICHARDSON P.C.	<i>d</i> .	

/Christine Rogers/

10/18/2013

Total Attachments: 2

Signature:

Date:

source=16113-2928001 Assignment#page1.tif source=16113-2928001 Assignment#page2.tif

PATENT REEL: 031438 FRAME: 0663

Attorney's Docket No.: 16113-2928001 Assignment Page 1 of 1

ASSIGNMENT

WHEREAS, we, Andrew Kadatch of 16224 NE 95th CT, Redmond, WA 98052; and Sergey Khorun of 1526 NE 117th Street, Seattle, WA 98125, 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 13/831,219 and a filing date of March 14, 2013. We authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known. 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: April 12,2013	Andrew Kadatch
Dated:	Sergey Khorun

12156695.doc

Attorney's Docket No.: 16113-2928001 Assignment Page 1 of 1

ASSIGNMENT

WHEREAS, we, Andrew Kadatch of 16224 NE 95th CT, Redmond, WA 98052; and Sergey Khorun of 1526 NE 117th Street, Seattle, WA 98125, 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 13/831,219 and a filing date of March 14, 2013. We authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known. 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:	Andrew Kadatch
Dated: Apr 2, 2013	Sergey Khorun
	• 1

12156695 doc

PATENT
RECORDED: 10/18/2013 REEL: 031438 FRAME: 0665

* Hanasiga Transection Number: SVJ.IVMCV3377XD *****