

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1


SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Alexander Collins</td> <td>05/07/2013</td> </tr> <tr> <td>Gary Sivek</td> <td>05/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	Alexander Collins	05/07/2013	Gary Sivek	05/07/2013
Name	Execution Date						
Alexander Collins	05/07/2013						
Gary Sivek	05/07/2013						
RECEIVING PARTY DATA							
Name:	Google Inc.						
Street Address:	1600 Amphitheatre Parkway						
City:	Mountain View						
State/Country:	CALIFORNIA						
Postal Code:	94043						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13840995</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13840995		
Property Type	Number						
Application Number:	13840995						
CORRESPONDENCE DATA							
Fax Number:	8777697945						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(404) 724-2813						
Email:	apsi@fr.com						
Correspondent Name:	Matthew R. Allen						
Address Line 1:	FISH & RICHARDSON P.C.						
Address Line 2:	P.O.BOX 1022						
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022						
ATTORNEY DOCKET NUMBER:	16113-4643001						
NAME OF SUBMITTER:	Kathy J. Bell						
Signature:	/Kathy J. Bell/						
Date:	05/09/2013						
Total Attachments: 2 source=assignment#page1.tif source=assignment#page2.tif							

CH \$40.00 13840995

ASSIGNMENT

For valuable consideration, we, Alexander Collins of 1032 York Street San Francisco, CA 94110; and Gary Sivek of 2310 Rock Street #31 Mountain View, CA 94043, 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 13/840,995 and a filing date of March 15, 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: May 7, 2013



Alexander Collins (May 7, 2013)
Alexander Collins

Dted: _____

Gary Sivek

12157994.doc


ASSIGNMENT

For valuable consideration, we, Alexander Collins of 1032 York Street San Francisco, CA 94110; and Gary Sivek of 6401 Fifth Avenue, #4 Pittsburgh, PA 15206, 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 13/840,995 and a filing date of March 15, 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: _____

Alexander Collins

Dated: May 7, 2013



Gary Sivek (May 7, 2013)

12158026.doc