

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>Jakob D. Uszkoreit</td> <td>07/12/2013</td> </tr> <tr> <td>John Blitzer</td> <td>07/12/2013</td> </tr> <tr> <td>Engin Cinar Sahin</td> <td>07/02/2013</td> </tr> <tr> <td>Rahul Gupta</td> <td>07/01/2013</td> </tr> <tr> <td>Dekang Lin</td> <td>07/01/2013</td> </tr> <tr> <td>Fernando Pereira</td> <td>08/26/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Jakob D. Uszkoreit | 07/12/2013 | John Blitzer | 07/12/2013 | Engin Cinar Sahin | 07/02/2013 | Rahul Gupta | 07/01/2013 | Dekang Lin | 07/01/2013 | Fernando Pereira | 08/26/2013 |
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| Dekang Lin | 07/01/2013 | | | | | | | | | | | | | | |
| Fernando Pereira | 08/26/2013 | | | | | | | | | | | | | | |
| 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>13926844</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13926844 | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 13926844 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
| Fax Number: | 8777697945 | | | | | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | | | |
| Phone: | (404) 892-5005 | | | | | | | | | | | | | | |
| Email: | apsi@fr.com | | | | | | | | | | | | | | |
| Correspondent Name: | Paul E. Franz | | | | | | | | | | | | | | |
| Address Line 1: | FISH & RICHARDSON P.C. | | | | | | | | | | | | | | |
| Address Line 2: | P.O.BOX 1022 | | | | | | | | | | | | | | |
| Address Line 4: | MINNEAPOLIS, MINNESOTA 55440-1022 | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 16113-4883001 | | | | | | | | | | | | | | |

CH \$40.00 13926844

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|--|-----------------|
| NAME OF SUBMITTER: | Kathy J. Bell |
| Signature: | /Kathy J. Bell/ |
| Date: | 09/14/2013 |
| Total Attachments: 2 source=16113_4883001_assign#page1.tif source=16113_4883001_assign#page2.tif | |

ASSIGNMENT


For valuable consideration, we, Jakob D. Uszkoreit of San Francisco, CA; John Blitzer of Mountain View, CA; Engin Cinar Sahin of New York, NY; Rahul Gupta of Mountain View, CA; Dekang Lin of Cupertino, CA; and Fernando Pereira of Palo Alto, CA, 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 13/926,844 and a filing date of June 25, 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: Jul 12, 2013


Jakob D. Uszkoreit (Aug 20, 2013)

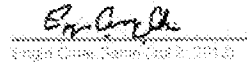
Jakob D. Uszkoreit

Dated: Jul 12, 2013


John Blitzer (Jul 19, 2013)

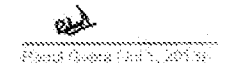
John Blitzer

Dated: Jul 2, 2013


Engin Cinar Sahin (Jul 20, 2013)

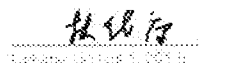
Engin Cinar Sahin

Dated: Jul 1, 2013


Rahul Gupta (Jul 1, 2013)

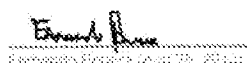
Rahul Gupta

Dated: Jul 1, 2013


Dekang Lin (Jul 1, 2013)

Dekang Lin

Dated: Aug 26, 2013


Fernando Pereira (Aug 26, 2013)

Fernando Pereira

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