PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4608543

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| ARAVIND KRISHNASWAMY | 09/28/2012 |
| NICHOLAS BUTKO | 09/28/2012 |
| TIMOTHY S. ST CLAIR | 09/28/2012 |

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: | 14530053 |

CORRESPONDENCE DATA

Fax Number: (347)449-1577

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.

3474491577 Phone:

Email: docket@ipspring.com **Correspondent Name:** AJAY GAMBHIR Address Line 1: 180 N LASALLE

Address Line 2: **SUITE 3700**

Address Line 4: CHICAGO, ILLINOIS 60601

ATTORNEY DOCKET NUMBER: LE-0105-01-US-CON NAME OF SUBMITTER: AJAY GAMBHIR SIGNATURE: /AJAY GAMBHIR/ **DATE SIGNED:** 09/22/2017

Total Attachments: 2

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> **PATENT** REEL: 043669 FRAME: 0921 504561832

Attorney Docket No.: LE-0105-01-US-NP Title: PROVIDING IMAGE CANDIDATES BASED ON DIVERSE ADJUSTMENTS TO AN IMAGE

ASSIGNMENT

For valuable consideration, we, Aravind Krishnaswamy, Nicholas Butko, and Timothy S. St. Clair, hereby assign to: Google Inc., a corporation of Delaware having a place of business at: 1600 Amphitheatre Parkway, Mountain View, California 94043; and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled PROVIDING IMAGE CANDIDATES BASED ON DIVERSE ADJUSTMENTS TO AN IMAGE, filed ______, and assigned U.S. Serial Number _____, and 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 including 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; and we authorize the Assignee to apply in all countries in our names 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.

Attorney Docket No.: LE-0105-01-US-NP Title: PROVIDING IMAGE CANDIDATES BASED ON DIVERSE ADJUSTMENTS TO AN IMAGE

Aravind Krishnaswamy

| W | itnessed | by: |
|---|----------|-----|
| | | |

Signature

Vincent Mo Typed or Printed Name Date: 9/28/12

Nicholas Butko

Witnessed by:

Signature

Typed or Printed Name

Date: 9/28/12

Timothy S St. Clair

Witnessed by:

Signatura

Typed or Printed Name

Date: 9/28/12