504203958 01/30/2017

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4250634

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| EDUARDO KNUST THULER | 08/06/2013 |
| PAVAN DESIKAN | 07/25/2013 |
| RAFAEL DANTAS DE CASTRO | 07/30/2013 |

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: | 15409477 |

CORRESPONDENCE DATA

Fax Number: (949)851-9348

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.

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Address Line 4: WASHINGTON, D.C. 20005-3096

| ATTORNEY DOCKET NUMBER: | 096553-0978 | |
|-------------------------|-------------------------------|--|
| NAME OF SUBMITTER: | MARK J. ITRI, REG. NO. 36,171 | |
| SIGNATURE: | /Mark J. ltri/ | |
| DATE SIGNED: | 01/30/2017 | |

Total Attachments: 3

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> **PATENT** REEL: 041565 FRAME: 0357 504203958

ASSIGNMENT

For valuable consideration, we, Eduardo Knust THULER of Mountain View, CA, Pavan DESIKAN of Palo Alto, CA and Rafael Dantas de CASTRO of Rua Marquês de Maricá, Belo Horizonte/MG, Brazil, 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 us, entitled CATEGORIZING SEARCH TERMS, filed August 1, 2013, and assigned U.S. Application Number 13/957,345, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and application number of said application; 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 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.

Attorney Docket No. 090364-0376

| Date: Aug 6, 2013 | Education Fully 8, 20121 | |
|-------------------|--------------------------|------|
| | Eduardo Knust THULER | _ |
| Date: | | *** |
| | Pavan DESIKAN | |
| Date: | | nde. |
| | Rafael Dantas de CASTRO | |

Page 2 of 2

| Attorney | | |
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| Date: | |
|--------------------|--|
| | Eduardo Knust THULER |
| w | MC var |
| Date: | ## DOMESTICATES (1943) |
| | Pavan DESIKAN |
| w. | |
| Date: Jul 30, 2013 | Perfect District de Casita (J.d. 36, 2013) |
| | Rafael Dantas de CASTRO |

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O Document Integrity Verified

EchoSign Transaction Number: W35KK9436K792L **REEL: 041565 FRAME: 0360**