## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4331026

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

### **CONVEYING PARTY DATA**

| Name          | Execution Date |
|---------------|----------------|
| BRYAN PEROZZI | 03/22/2017     |
| YINGTAO TIAN  | 03/21/2017     |

### **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: | 15466056 |

## **CORRESPONDENCE DATA**

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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: LOUISVILLE, KENTUCKY 40202

| ATTORNEY DOCKET NUMBER: | ZS202-17806       |  |
|-------------------------|-------------------|--|
| NAME OF SUBMITTER:      | SCOTT W. HIGDON   |  |
| SIGNATURE:              | /Scott W. Higdon/ |  |
| DATE SIGNED:            | 03/22/2017        |  |

**Total Attachments: 1** 

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PATENT 504284345 REEL: 041683 FRAME: 0563

# **ASSIGNMENT**

| For valuable consideration, we, Bryan Perozzi, of Cranford, New Jersey and Yingtao                    |  |  |  |  |
|---|--|--|--|--|
| Tian of Stony Brook, New York, 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 Training and/or Utilizing              |  |  |  |  |
| Recurrent Neural Network Model to Determine Subsequent Source(s) for Electronic                       |  |  |  |  |
| Resource Interaction, filed March 22, 2017, and assigned U.S. Serial Number                           |  |  |  |  |
| , 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.   |  |  |  |  |
|   |  |  |  |  |

| Bryan Brozzi    | Vinglas Tian |
|-----------------|--------------|
| Bryan Perozzi   | Yingtao Tian |
| Date: 3/22/2017 | Date:        |

PATENT
RECORDED: 03/22/2017 REEL: 041683 FRAME: 0564