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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JEFFREY P. MATHEWS | 03/19/2015 |
| LEE R. TAYLOR | 05/18/2015 |
| ANDREW J. ZIMMER | 03/18/2015 |
| 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: | 14581994 |
| CORRESPONDENCE DATA | |
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| Phone: | 650-843-4000 |
| Email: | LQUINTANA@MORGANLEWIS.COM |
| Correspondent Name: | DOUGLAS J. CRISMAN |
| Address Line 1: | MORGAN, LEWIS & BOCKIUS |
| Address Line 2: | 3000 EL CAMINO REAL, BLDG. 2, SUITE 700 |
| Address Line 4: | PALO ALTO, CALIFORNIA 94306 |
| ATTORNEY DOCKET NUMBER: | 104248-5043-US |
| NAME OF SUBMITTER: | LINDA QUINTANA |
| SIGNATURE: | /Linda Quintana/ |
| DATE SIGNED: | 05/18/2015 |
| Total Attachments: 6 | |
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ASSIGNMENT

WHEREAS, WE, JEFFREY P. MATHEWS, citizen of US, residing in Longmont, CO; LEE R. TAYLOR, citizen of US, residing in Boulder, CO; and ANDREW J. ZIMMER, citizen of US, residing in Boulder, CO, ASSIGNORS, are the inventors of the invention in SYSTEMS AND METHODS FOR PROGRAMMING AND CONTROLLING DEVICES WITH SENSOR DATA AND LEARNING, described in an application for a Patent of the United States

- checkbox which is executed on checkbox even date herewith
checkbox which is identified by Morgan, Lewis & Bockius LLP docket no. 104248-5043-US
checkbox which was filed on December 23, 2014, Application No. 14/581,994
checkbox which claims priority on U.S. Provisional Patent Application No. 61/919,893
checkbox We hereby authorize and request our attorney, Gary S. Williams, of Morgan, Lewis & Bockius LLP, to insert here in parenthesis (Application number, filed) the filing date and application number of said application when known.

and WHEREAS, GOOGLE INC., ASSIGNEE, having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; the said United States provisional patent application(s), if any, on which the said United States application claims priority; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date Mar 19, 2015

Handwritten signature of Jeffrey P. Mathews
Jeffrey P. Mathews (Mar 19, 2015)

JEFFREY P. MATHEWS

L.S.

Date

LEE R. TAYLOR

L.S.

Date _____

ANDREW J. ZIMMER L.S.

ASSIGNMENT

WHEREAS, WE, **JEFFREY P. MATHEWS**, citizen of US, residing in Longmont, CO; **LEE R. TAYLOR**, citizen of US, residing in Boulder, CO; and **ANDREW J. ZIMMER**, citizen of US, residing in Boulder, CO, ASSIGNORS, are the inventors of the invention in **SYSTEMS AND METHODS FOR PROGRAMMING AND CONTROLLING DEVICES WITH SENSOR DATA AND LEARNING**, described in an application for a Patent of the United States

- which is executed on even date herewith
- which is identified by Morgan, Lewis & Bockius LLP docket no. 104248-5043-US
- which was filed on December 23, 2014, Application No. 14/581,994
- which claims priority on U.S. Provisional Patent Application No. 61/919,893 _____
- We hereby authorize and request our attorney, Gary S. Williams, of Morgan, Lewis & Bockius LLP, to insert here in parenthesis (Application number _____, filed _____) the filing date and application number of said application when known.

and WHEREAS, **GOOGLE INC.**, ASSIGNEE, having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; the said United States provisional patent application(s), if any, on which the said United States application claims priority; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

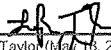
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IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____ JEFFREY P. MATHEWS L.S.

Date May 18, 2015  L.S.
Lee R Taylor (Maj) 18. 2015
LEE R. TAYLOR

Date _____

ANDREW J. ZIMMER L.S.

ASSIGNMENT

WHEREAS, WE, **JEFFREY P. MATHEWS**, citizen of US, residing in Longmont, CO; **LEE R. TAYLOR**, citizen of US, residing in Boulder, CO; and **ANDREW J. ZIMMER**, citizen of US, residing in Boulder, CO, ASSIGNORS, are the inventors of the invention in **SYSTEMS AND METHODS FOR PROGRAMMING AND CONTROLLING DEVICES WITH SENSOR DATA AND LEARNING**, described in an application for a Patent of the United States

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- which was filed on December 23, 2014, Application No. 14/581,994
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AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____ **JEFFREY P. MATHEWS** _____ L.S.

Date _____ **LEE R. TAYLOR** _____ L.S.

Date Mar 18, 2015


Andrew Zimmer (Mar 18, 2015)

L.S.

ANDREW J. ZIMMER

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