502175834 12/26/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date | |
|-----------------|----------------|--|
| Rob von Behren | 09/16/2011 | |
| Jonathan Wall | 08/26/2011 | |
| Ismail Cem Paya | 08/29/2011 | |

RECEIVING PARTY DATA

| Name: | GOOGLE INC. | |
|-----------------|-------------------------|--|
| Street Address: | 00 Amphitheatre Parkway | |
| City: | Mountain View | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 94043 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13686887 |

CORRESPONDENCE DATA

Fax Number: 2403594879

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 912.257.4864

Email: aness@jmi-iplaw.com

Correspondent Name: Johnson, Marcou & Isaacs, LLC

Address Line 1: 317A East Liberty Street
Address Line 4: Savannah, GEORGIA 31401

ATTORNEY DOCKET NUMBER: GOOG-0105-3

Ann Ness

Total Attachments: 8

NAME OF SUBMITTER:

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PATENT REEL: 029528 FRAME: 0159 × \$40.00 136868

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PATENT REEL: 029528 FRAME: 0160

ASSIGNMENT

WHEREAS, WE,

- 1. Rob von Behren, ASSIGNOR, a citizen of the United States of America, with a correspondence address of 1726 Martin Luther King Jr. Way, Berkeley CA 94709;
- 2. Jonathan Wall, ASSIGNOR, a citizen of the United States of America, with a correspondence address of 461 2nd Street, #130, San Francisco CA 94107;
- 3. Ismail Cem Paya, ASSIGNOR, a citizen of the United States of America, with a correspondence address of 635 W. 42nd St., Apt. 8L, New York NY 10036;
- 4. Alexej Muehlberg, ASSIGNOR, a citizen of Germany, with a correspondence address of Strehlowweg 58, Hamburg, Germany 22605; and
- 5. Hauke Meyn, ASSIGNOR, a citizen of Germany, with a correspondence address of Wiesengrund 25, Krempermoor, Germany 25569

are the inventors of the invention described in

WRITING APPLICATION DATA TO A SECURE ELEMENT

| for | which v | ve have | executed: | an : | application | for a | Patent | of the | United | States |
|-----|---------|---------|-----------|------|-------------|-------|--------|--------|--------|--------|
| | | | | | | | | | | |

| | which was filed herewith | 9 | |
|---|---------------------------------|---|---|
| Ø | September 26 which was filed on | , 2011 as U.S. Patent Application No. 13/244, 76 | 7 |

WHEREAS, Google Inc., a corporation of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043, ASSIGNEE, 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 is 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 all Patents of the United States which may be granted thereon and all reissues and extensions thereof; 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

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PATENT REEL: 029528 FRAME: 0161

Attorney Docket: GOOG-0105-2

right to file such applications and the right to claim for the same the priority rights derived from said United States application 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 said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of the 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, it successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

AND WE HEREBY authorize a representative of Johnson & Associates, 317A East Liberty Street, Savannah, Georgia USA, to insert in the blanks above the filing date and application number of said application when known.

| IN TESTIMONY WHEREOF | , we hereunto set our hand and seal the day and year opposite |
|----------------------------|---|
| our respective signatures. | |

WITNESS:

| Date: 8/26/11 WITNESS: | Signed: Jonathan Wall |
|--|-----------------------|
| MAX CHRISTOFF (print or type name) My UMM | |
| Signature: | • |
| 8 2c 2011 Date: | |
| | |
| Date: | Signed: |
| WITNESS: | Ismail Cem Paya |
| (print or type name) | |
| Signature: | |
| Date: | |

| Date: | Signed: | |
|----------------------|-----------------------|--|
| WITNESS: | Signed: | |
| (print or type name) | | |
| Signature: | | |
| Date: | | |
| Date: | Signed: | |
| WITNESS: | Signed: Hauke Meyn | |
| (print or type name) | | |
| Signature: | | |
| Date: | | |

ASSIGNMENT

WHEREAS, WE,

- Rob von Behren, ASSIGNOR, a citizen of the United States of America, with a correspondence address of 1726 Martin Luther King Jr. Way, Berkeley CA 94709;
- Jonathan Wall, ASSIGNOR, a citizen of the United States of America, with a correspondence address of 461 2nd Street, #130, San Francisco CA 94107;
- 3. Ismail Cem Paya, ASSIGNOR, a citizen of the United States of America, with a correspondence address of 635 W. 42nd St., Apt. 8L, New York NY 10036;
- 4. Alexej Muchlberg, ASSIGNOR, a citizen of Germany, with a correspondence address of Strehlowweg 58, Hamburg, Germany 22605; and
- 5. Hauke Meyn, ASSIGNOR, a citizen of Germany, with a correspondence address of Wiesengrund 25, Krempermoor, Germany 25569

are the inventors of the invention described in

WRITING APPLICATION DATA TO A SECURE ELEMENT

| | which was filed herewith | | |
|----|--------------------------|--|-----|
| y | September | 26, 2011 | |
| Ø. | which was filed on | as U.S. Patent Application No. 13/244, | 767 |

for which we have executed an application for a Patent of the United States

WHEREAS, Google Inc., a corporation of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043, ASSIGNEE, 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 is 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 all Patents of the United States which may be granted thereon and all reissues and extensions thereof; 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

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Attorney Docket: GOOG-0105-2

right to file such applications and the right to claim for the same the priority rights derived from said United States application 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 said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of the 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, it successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

AND WE HEREBY authorize a representative of Johnson & Associates, 317A East Liberty Street, Savannah, Georgia USA, to insert in the blanks above the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year opposite our respective signatures.

| Date: | Signed: |
|----------------------|----------------|
| | Rob von Behren |
| WITNESS: | |
| | |
| | |
| | |
| (print or type name) | |
| | |
| <u>G!</u> | |
| Signature: | |
| | |
| Date: | |

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| Date: | Signed: |
|------------------------------------|----------------|
| WITNESS: | Jonathan Wall |
| (print or type name) | |
| Signature: | |
| Date: | |
| | |
| Date: <u>(8, 29 1)</u> | Signed: |
| WITNESS: | Ismail CemPaya |
| Kara Shure (print or type name) | |
| | |
| Signature: | |

Attorney Docket: GOOG-0105-2

| Date: | Signed: |
|----------------------|-----------------------|
| WITNESS: | Alexej Muchlberg |
| (print or type name) | |
| Signature: | |
| Date: | |
| | |
| Date: | Signed: Hauke Meyn |
| (print or type name) | |
| Signature: | |
| Date: | |

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PATENT REEL: 029528 FRAME: 0168