

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4378643

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                                     |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT   |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>                              |
| CHRISTOPHER PAUL URMSON   | 09/30/2011   |
| DMITRI A. DOLGOV  | 09/30/2011   |
| ANDREW CHATHAM  | 09/30/2011   |
| PHILIP NEMEC  | 09/30/2011   |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | GOOGLE INC.  |
| <b>Street Address:</b>  | 1600 AMPHITHEATRE PARKWAY                          |
| <b>City:</b>  | MOUNTAIN VIEW                                      |
| <b>State/Country:</b>   | CALIFORNIA   |
| <b>Postal Code:</b>   | 94043  |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>                                      |
| <b>Application Number:</b>  | 15488836   |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  | (908)654-0415                                      |
| <i>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.</i> |  |
| <b>Phone:</b>   | (908) 518-6379                                     |
| <b>Email:</b>   | assignment@lerner david.com                        |
| <b>Correspondent Name:</b>  | LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP |
| <b>Address Line 1:</b>  | 600 SOUTH AVENUE WEST                              |
| <b>Address Line 4:</b>  | WESTFIELD, NEW JERSEY 07090                        |
| <b>ATTORNEY DOCKET NUMBER:</b>  | XSDV 3.0-359 CON CON                               |
| <b>NAME OF SUBMITTER:</b>   | MELINDA C. CORMIER                                 |
| <b>SIGNATURE:</b>   | /Melinda C. Cormier/                               |
| <b>DATE SIGNED:</b>   | 04/21/2017   |
| <b>Total Attachments: 4</b>   |  |
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| source=XSDV 3.0-359 CON CON_7120_assignment_#page3.tif  |  |



**ASSIGNMENT OF PATENT APPLICATION**

Docket Number (Optional)

GOOGLE 3.0-359

WHEREAS, I, Christopher Paul Urmson of 218 Central Avenue, Mountain View, California 94043, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SYSTEM AND METHOD OF PROVIDING RECOMMENDATIONS TO USERS OF VEHICLES" (hereafter "Patent Application"),

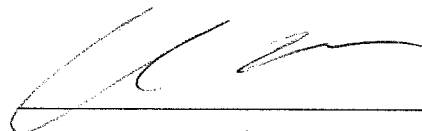
WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on \_\_\_\_\_, Application Number \_\_\_\_\_, and

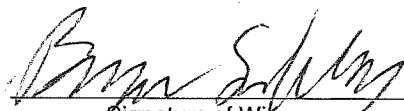
WHEREAS (if the left box is checked), the Patent Application names the following inventors: Christopher Paul Urmson, Dmitri A. Dolgov, Andrew Chatham, and Philip Nemeč (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 13/252,568 filed on 10-4-11] the application number and filing date of the application when known), and

WHEREAS, Google Inc., incorporated or otherwise formed in Delaware and having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

9/30/2011  
(Date)

  
(Signature)

  
Signature of Witness  
BRYAN SALESKY  
Printed Name of Witness

**PATENT**

**REEL: 042089 FRAME: 0791**

**ASSIGNMENT OF PATENT APPLICATION**

Docket Number (Optional)

GOOGLE 3.0-359

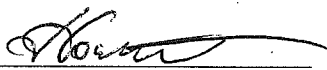
WHEREAS, I, Dmitri A. Dolgov of 801 Church Street; Apartment 1323; Mountain View, California 94041, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SYSTEM AND METHOD OF PROVIDING RECOMMENDATIONS TO USERS OF VEHICLES" (hereafter "Patent Application"),

WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on \_\_\_\_\_, Application Number \_\_\_\_\_, and

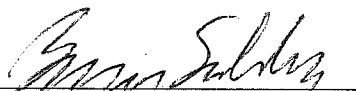
WHEREAS (if the left box is checked), the Patent Application names the following inventors: Christopher Paul Urmson, Dmitri A. Dolgov, Andrew Chatham, and Philip Nemeč (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 13/252,568 filed on 10-4-11] the application number and filing date of the application when known), and

WHEREAS, Google Inc., incorporated or otherwise formed in Delaware and having a place of business at 1600 Amphitheatre Parkway; Mountain View, California 94043 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

  
(Date)

9/30/2011  
(Signature)

  
Signature of Witness

9/30/11

BRYAN SALESKY  
Printed Name of Witness

**ASSIGNMENT OF PATENT APPLICATION**

Docket Number (Optional)

GOOGLE 3.0-359

WHEREAS, I, Andrew Chatham of 500 Broome Street; Floor 4; New York, New York 10013, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SYSTEM AND METHOD OF PROVIDING RECOMMENDATIONS TO USERS OF VEHICLES" (hereafter "Patent Application"),

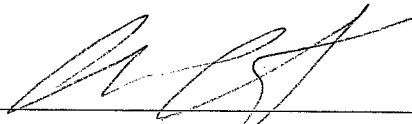
WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on \_\_\_\_\_, Application Number \_\_\_\_\_, and


WHEREAS (if the left box is checked), the Patent Application names the following inventors: Christopher Paul Urmson, Dmitri A. Dolgov, Andrew Chatham, and Philip Nemec (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 13/252,568 filed on 10-4-11] the application number and filing date of the application when known), and

WHEREAS, Google Inc., incorporated or otherwise formed in Delaware and having a place of business at 1600 Amphitheatre Parkway; Mountain View, California 94043 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

9/30/2011  
(Date)

  
(Signature)

  
Signature of Witness

Michael Montemurro  
Printed Name of Witness

**PATENT****REEL: 042089 FRAME: 0793**

**ASSIGNMENT OF PATENT APPLICATION**

Docket Number (Optional)

GOOGLE 3.0-359

WHEREAS, I, Philip Nemece of 5275 Woodstock Way, San Jose, California 95118-2955, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SYSTEM AND METHOD OF PROVIDING RECOMMENDATIONS TO USERS OF VEHICLES" (hereafter "Patent Application"),

WHEREAS (if the left box is checked), the Patent Application was filed with the U.S. Patent and Trademark Office on \_\_\_\_\_, Application Number \_\_\_\_\_, and

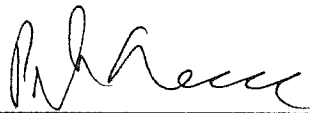
WHEREAS (if the left box is checked), the Patent Application names the following inventors: Christopher Paul Urmson, Dmitri A. Dolgov, Andrew Chatham, and Philip Nemece (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 13/252,568 filed on 10-4-11] the application number and filing date of the application when known), and

WHEREAS, Google Inc., incorporated or otherwise formed in Delaware and having a place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

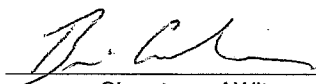
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

9/30/2011

(Date)



(Signature)



Signature of Witness

Brian Callinane

Printed Name of Witness

**PATENT**