PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6916767

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE'S NAME TO GOOGLE INC. previously recorded on Reel 057018 Frame 0287. Assignor(s) hereby confirms the ASSIGNMENT.
RESUBMIT DOCUMENT ID:	506802694

CONVEYING PARTY DATA

Name	Execution Date
JIAJUN ZHU	09/23/2011
CHRISTOPHER PAUL URMSON	09/23/2011
DIRK HAEHNEL	09/23/2011
NATHANIEL FAIRFIELD	09/23/2011
RUSSELL LEIGH SMITH	09/23/2011

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:	17387199

CORRESPONDENCE DATA

Fax Number:

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.

Phone:	19087381770
Email:	PTO@BCIPLAW.COM
Correspondent Name:	BOTOS CHURCHILL IP LAW LLP
Address Line 1:	430 MOUNTAIN AVENUE
Address Line 2:	SUITE 401
Address Line 4:	NEW PROVIDENCE, NEW JERSEY 07974

ATTORNEY DOCKET NUMBER:	XSDV 3.0-354 CCDC2[10384]
NAME OF SUBMITTER:	IDA ZAZZALI
SIGNATURE:	/lda Zazzali/

PATENT REEL: 057473 FRAME: 0480

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DATE SIGNED:	09/15/2021
Total Attachments: 11	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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NATURE OF CONV	EYANCE:	ASSIGNMENT	
CONVEYING PART	Y DATA		
	N	ame	Execution Date
JIAJUN ZHU			09/23/2011
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DIRK HAEHNEL			09/23/2011
NATHANIEL FAIRF	TELD		09/23/2011
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	94043		
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7/29/2021

Fax Number:Phone:19087381770Email:PTO@BCIPLAW.COMCorrespondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a faxnumber, if provided; if that is unsuccessful, it will be sent via US Mail.Correspondent Name:BOTOS CHURCHILL IP LAW LLPAddress Line 1:430 MOUNTAIN AVENUEAddress Line 2:SUITE 401Address Line 4:NEW PROVIDENCE, NEW JERSEY 07974		
ATTORNEY DOCKET NUMBER:	XSDV 3.0-354 CCDC2[10384]	
NAME OF SUBMITTER:	IDA ZAZZALI	
Signature:	/Ida Zazzali/	
Date:	07/29/2021	
Total Attachments: 5 source=Assignment - Inventors to Google Inc#page1.tif source=Assignment - Inventors to Google Inc#page2.tif source=Assignment - Inventors to Google Inc#page3.tif source=Assignment - Inventors to Google Inc#page4.tif source=Assignment - Inventors to Google Inc#page5.tif		
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DIRK HAEHNEI	4		09/23/2011
NATHANIEL FAIRFIELD		······································	
NATHANIEL FA	IRFIELD		09/23/2011
NATHANIEL FA RUSSELL LEIGH RECEIVING PAI	1 SMITH		09/23/2011
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RUSSELL LEIGH	I SMITH RTY DATA GOOGLE INC.	IEATRE PARKWAY	
RUSSELL LEIGH RECEIVING PAI Name:	I SMITH RTY DATA GOOGLE INC.		
RUSSELL LEIGH RECEIVING PAI Name: Street Address:	H SMITH RTY DATA GOOGLE INC. 1600 AMPHITH		
RUSSELL LEIGH RECEIVING PAI Name: Street Address: City:	H SMITH RTY DATA GOOGLE INC. 1600 AMPHITH MOUNTAIN V		
RUSSELL LEIGH RECEIVING PAI Name: Street Address: City: State/Country:	A SMITH RTY DATA GOOGLE INC. 1600 AMPHITH MOUNTAIN VI CALIFORNIA 94043 MBERS Total: 1	IEW	

CORRESPONDENCE	DATA
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ATTORNEY DOCKET NUMBER:	Г XSDV 3.0-354 CCDC2[10384]
NAME OF SUBMITTI	ER: IDA ZAZZALI
Signature:	/IdaZazzali/
Date:	08/05/2021
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Docket Number (Optional)

GOOGLE 3.0-354

WHEREAS, I, <u>Jiajun Zhu</u> of <u>421 Paria Terrace; Sunnyvale, California</u> <u>94089</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SYSTEM AND METHOD FOR EVALUATING THE PERCEPTION SYSTEM OF AN AUTONOMOUS VEHICLE" (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

X WHEREAS (if the left box is checked), the Patent Application names the following inventors: Jialun Zhu, Christopher Paul Urmson, Dirk Haehnel, Nathanlel Fairfield, and Russell Leigh Smith (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentilik, LLP, to Insert in here in brackets [Application No. 13/200, 958, filed on 10/05/11] the application number and filing date of the application when known), and

WHEREAS, <u>Google Inc.</u>, incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600</u> <u>Amphitheatre Parkway</u>; <u>Mountain View</u>, <u>California</u> <u>94043</u> (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, tille 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 priorily 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 assignce's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignce'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.

(Signature) (Date) Signature of Witness

DAVID

Printed Name of Witness

FERGUSON

PATENT REEL: 057473 FRAME: 0486

Docket Number (Optional)

GOOGLE 3.0-354

WHEREAS, I, <u>Christopher Paul Urmson</u> of <u>218 Central Avenue: Mountain View, California</u> <u>94043</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SYSTEM AND METHOD FOR EVALUATING THE PERCEPTION SYSTEM OF AN AUTONOMOUS VEHICLE" (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

xWHEREAS (if the left box is checked), the Patent Application names the following inventors:Jiajun Zhu, Christopher Paul Urmson, Dirk Haehnel, Nathaniel Fairfield, and Russell Leigh Smith (and whereas I hereby
authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No.13/200,958filed on10-05-11the application number and filing date of the application when known),
and

WHEREAS, <u>Google Inc.</u>, Incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600</u> <u>Amphitheatre Parkway: Mountain View, California 94043</u> (hereafter, the "assignee") is destrous of acquiring, or has acquired and is destrous 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 Tradomark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assignee 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 rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. Lagree 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 desemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

(Signature) (Date) Signature of Witness FERGUISIN DAVID Printed Name of Witness

PATENT REEL: 057473 FRAME: 0487

GOOGLE 3.0-354

WHEREAS, I, <u>Dirk Haehnel</u> of <u>1177 Noel Drive; Menlo Park, Californía</u> <u>94025</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SYSTEM AND METHOD FOR EVALUATING THE PERCEPTION SYSTEM OF AN AUTONOMOUS VEHICLE" (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

 X
 WHEREAS (if the left box is checked), the Patent Application names the following inveniors:

 Jiajun Zhu, Christopher Paul Urmson, Dirk Haehnel, Nathaniel Fairfield, and Russell Leigh Smith (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Menilik, LLP, to insert in here in brackets (Application No. 13/200,958, filed on 10-05-11) the application number and filing date of the application when known), and

WHEREAS, <u>Google Inc.</u>, incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600</u> <u>Amphitheatre Parkway</u>; <u>Mountain View, California</u> <u>94043</u> (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 the united States of America and all other countries, where "Assigned Applications" means 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 expense and to provide other cooperation, 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.

09/23/2011 (Date) Signature of Witness MAND FERGULON Printed Name of Witness

OK The

(Signature)

PATENT

REEL: 057473 FRAME: 0488

ASSIGNMENT OF PATENT APPLICATION

GOOGLE 8.0-354

WHEREAS, I, <u>Nathaniel Fairfield</u> of <u>1158 Burgovine Street; Mountain View, California</u> <u>94043</u>, have invented of discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SYSTEM AND METHOD FOR EVALUATING THE PERCEPTION SYSTEM OF AN AUTONOMOUS VEHICLE" (hereafter "Patent Application"),

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

X WHEREAS (if the left box is checked), the Patent Application names the following inventors: Jiajun Zhu, Christopher Paul Urmson, Dirk Hachnel, Nathaniel Fairfield, and Russell Lefoh Smith (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets (Application No. 13/200,958, filed on 10-(15-11)) the application number and filing date of the application when known), and

WHEREAS, <u>Google Inc.</u>, incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600</u> <u>Amphitheatre Parkway: Mountain View, California_94043</u> (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 Assignee 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 repense and to provide other cooperation, sasignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affit its documents or 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 portions.

(Date) Signature of Witness

DAVID

FARGUSON

Printed Name of Witness

PATENT REEL: 057473 FRAME: 0489

Docket Number (Optional)

GOOGLE 3.0-354

WHEREAS, I, <u>Russell Leigh Smith</u> of <u>3157 Allen Way: Santa Clara, California</u> <u>95051</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SYSTEM AND METHOD FOR EVALUATING THE PERCEPTION SYSTEM OF AN AUTONOMOUS VEHICLE" (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: <u>Jialun Zhu</u>, Christopher Paul Umsen, Dirk Hachnel, Nathaniel Fairfield, and Russell Leigh Smith (and whereas I hereby authorize Lemer, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets (Application No. <u>13/200,958</u>, filed on <u>10-05-11</u>) the application number and filing date of the application when known), and

WHEREAS, <u>Google Inc.</u>, incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>1600</u> <u>Amphiltheatre Parkway</u>; <u>Mountain View</u>, <u>California</u> <u>94043</u> (herealter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, itle 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 work, to tassignee 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 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 porvision.

Date) Signature of Witness FERGINICIN DAVIA

Printed Name of Witness

(Signature)

PATENT REEL: 057473 FRAME: 0490

RECORDED: 08/05/2021