# 506233704 09/02/2020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6280448

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
PHILIP NEMEC		08/13/2014
ANNE AULA		08/18/2014
DAVID TSE-ZHOU LU		09/18/2014
BRIAN CULLINANE		08/18/2014
CALVIN KARL JOHNSON		08/20/2014
ALBERT SHANE		10/27/2014
CHRISTOPHER LUDWICK		08/13/2014
YOOJUNG AHN		08/14/2014

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:	17009825

#### **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.

Email:	pto@bciplaw.com
Correspondent Name:	BOTOS CHURCHILL IP LAW LLP
Address Line 1:	430 MOUNTAIN AVENUE, SUITE 401
Address Line 4:	NEW PROVIDENCE, NEW JERSEY 07974

ATTORNEY DOCKET NUMBER:	XSDV 3.0F-1369 CCC [9882]
NAME OF SUBMITTER:	AVA MARIE FELA
SIGNATURE:	/Ava Marie Fela/
DATE SIGNED:	09/02/2020

Total Attachments: 8	
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ASSIGNME			Dockst Number (Optional)			
	NT OF PATENT A	PLICATION	GOOGLE 3.0F-1369 (E)			
			ted or discovered inventions or discoveries, the TONOMOUS VEHICLES' (hereafter "Patent			
	(if the left box is checked), i August 8, 2014, Application		as filed with the U.S. Patent and d			
(and whereas I hereb	WHEREAS (if the left box is checked), the Patent Application names the following inventors: and whereas I hereby authorize Lemer, David, Litenberg, Krumholz & Mentlik, LLP, to insert in here in brackets Application A 					
Amphitheatre Parkway	r, Mountain View, California	94043 (hereafter, the *	eleware and having a place of business at <u>1600</u> 'assignee") is desirous of acquiring, or has a entire right, title and interest in same;			
Patent Application, inc continuation, continuation Patent Application pur do assign, to assignee obligation to convey, in Trademark Office, and Assigned Applications further remuneration, t such as testimony, as Assignee may assign affix its signature to the herein is unenforceable offending portions the purpose of the offendia	sluding any and all invention tion-in-part, substitute, reiss suant to any law or treaty, is the right to claim such pric ny rights in the Assigned Ay any other governmental a , and to record assignee's o to execute and deliver doc. may be reasonably require or transfer all or part of its r is document as well as any le, the requirements of the p reof shall be deemed replac- ing provision.	is, discoveries and other sus, re-examinetion or of and any patent issuing it rity or benefit. I have no polications to a third part gency in the world, to iss wments prepared at assig to evidence or protect ights set forth herein in i other indicis of its accer provision shall remain to sed, to the extent possible	ries, where "Assigned Applications" means the r subject matter described therein, any divisional, ther application claiming priority or benefit to the om the foregoing. I agree to assign, and hereby at previously conveyed, nor am Laware of an ly. I hereby authorize the U.S. Patent and use to assignee all patents resulting from the signee's reasonable request Lagree, without previse expense and to provide other cooperation, assignee's rights in the Assigned Applications, assignee's rights in the Assignee may otance of the provisions hereof. If any provision the full extent permissible by taw and the le, with a provision most closely reflecting the			
Aug	(Date)	<u>Ast</u>	n (Ås (Signature)			

		Docket Number (Optional)
ASSIGNMENT OF PATENT APPLI	CATION	GOOGLE 3.0F-1369 (E)
WHEREAS, I, <u>Anne Aula</u> of <u>Mountain View, C</u> subject matter of which is described in the patent applic Application"),		ented ar discovered inventions or discoveries, the TONOMOUS VEHICLES' (hereafter "Patent
X WHEREAS (if the left box is checked), the Pail Trademark Office on <u>Aurust 8, 2014</u> , Application Numb		
WHEREAS (if the left box is checked), the Pail (and whereas I hereby authorize Lemer, David, Littenbe No, filed on known), and	ra, Krumholz & M	entlik, LLP, to insert in here in brackets (Application
WHEREAS. <u>Georgia Inc.</u> , incorporated or other Amphilihestre Parkway, Mountain View, California, 9404 acquired and is desirous of memorializing its acquisition	3 (hereafter, the	
Patient Application, including any and all inventions, disc continuation, continuation-in-part, substitute, reissue, re- Patient Application pursuant to any law or treaty, and an do assign, to assignee the right to claim such priority or obligation to convey, my rights in the Assigned Applicati Trademark Office, and any other governmental agency i Assigned Applications and to record assignee's owners further remuneration, to execute and deliver documents such as astimory, as may be reasonably required to ex Assignee may assign or transfer all or part of its rights a fifty its signature to this document as well as any other.	<ul> <li>examination or o y patent issuing is benefit. I have no oris to a third par- in the world, to iss- hip thereof. At as- prepared at assig- idence or protect at forth herein in</li> </ul>	ther application claiming priority or benefit to the com the foregoing. I agree to assign, and hereby of previously conveyed, nor am I aware of an support of the U.S. Patent and support to assignee all patents resulting from the signee's reasonable request I agree, without pree's expense and to provide other cooperation, assignee's rights in the Assigned Applications. Its sole discretion, I agree that the assignee may
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ASSIGNMENT OF PATENT APPLICATION	Docket Number (Optional)
	GOOGLE 3.0F-1369 (E)
WHEREAS, I. <u>David Tse-Zhou Lu</u> of <u>Menio Perk, Celiforni</u> discoveres, the subject matter of which is described in the patent a (hereafter "Patent Application").	
X WHEREAS (if the left box is checked), the Patent Applicat Trademerk Office on <u>Aurust 8, 2014</u> , Application Number <u>14/455.2</u>	
WHEREAS (if the left box is checked), the Patent Applicat (and whereas I hereby authorize Lemer, David, Littenberg, Krumhol Nofiled on} the applicat known), and	z & Mentlik, LLP, to insert in here in brackets (Application
WHEREAS, <u>Goorde Inc.</u> , incorporated or otherwise former Amphitheetre Parkway, Mountain View, California, 94043 (hereafter acquired and is desirous of memorializing its acquisition further here	, the "assignee") is desirous of acquiring, or has
Assigned Applications in the United States of America and all other Patent Application, including any and all inventions, discoveries and continuation, continuation-in-part, substitute, reissue, re-axaminetio Patent Application pursuant to any law or treaty, and any patent issi do assign, to assignee the right to claim such priority or benefit. I his obligation to convey, my rights in the Assigned Applications to a thir Trademark Office, and any other governmental agency in the world. Assigned Applications and to record assignee's ownership thereof. further remuneration, to execute and deliver documents prepared a such as assimony, as may be reasonably required to evidence or p Assignee may assign or transfer all or part of its rights set forth here effix its signature to this document as well as any other indicis of lis herein is unenforceable, the requirements of the provision shall rem offending portions thereof shall be deemed replaced, to the extent p purpose of the offending provision.	I other subject matter described therein, any divisional, is or other application claiming priority or benefit to the using from the foregoing. Eagree to assign, and hereby see not previously conveyed, nor am I aware of an of party. Thereby authorize the U.S. Patent and to issue to assignee all patents resulting from the At assignee's reasonable request Lagree, without t assignee's reasonable request Lagree, without assignee's reasonable request Lagree, without assignee's reasonable request Lagree, without assignee's reasonable request Lagree, without assignee's reasonable request Lagree, without acceptance of the provisione hereof. If any provision ain to the full extent permissible by taw and the possible, with a provision most closely reflecting the
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	The drive to (See 12. Signeture)

		Dockst Number (Optional)
ASSIGNMENT OF PATENT APPLICA	TION	GOOGLE 3.0F-1369 (E)
WHEREAS, I. <u>Brian Cultinane</u> of <u>Pato Atta, Catito</u> subject matter of which is described in the patent applicatio Application"),		
WHEREAS (if the left box is checked), the Patent Trademark Office on <u>August 8, 2014</u> , Application Number 3		
WHEREAS (if the left box is checked), the Patent (and whereas I hereby authorize Lemer, David, Littenberg, I No, filed on the known), and	Krumholz & Me	entlik, LLP, to insert in here in brackets (Application
WHEREAS, <u>Google Inc.</u> , incorporated or otherwis Amphiliheatre Parkway, Mountain View, California, 94043 ( acquired and is desirous of memorializing its acquisition fur	hereafter, the "	assignee") is desirous of acquiring, or has
continuation, continuation-in-part, substitute, reissue, re-ex- Patient Application pursuant to any law or treaty, and any pa	atent issuing fr	om the foregoing. I agree to assign, and hereby
Trademark Office, and any other governmental agency in the obligation to convey, my rights in the Assigned Applications Trademark Office, and any other governmental agency in the Assigned Applications and to record assignee's ownership further remuneration, to execute and deliver documents pre- such as isstimony, as may be reasonably required to evide Assignee may assign or transfer all or part of its rights set f effix its signature to this document as well as any other indi- herein is unenforceable, the requirements of the provision s offending portions thereof shall be deemed replaced, to the purpose of the offending provision.	to a third part te world, to iss thereof. At ass pared at assig- nce or protect ofth herein in it icie of its accep- hait remain to extent possible	ue to assignce all patents resulting from the signee's reasonable request I agree, without mee's expense and to provide other cooperation, assignce's rights in the Assigned Applications. Its sole discretion. I agree that the assignce may bence of the provisions hereof, if any provision the full extent permissible by law and the le, with a provision most closely reflecting the
obligation to convey, my rights in the Assigned Applications Trademark Office, and any other governmental agency in 0 Assigned Applications and to record assignee's ownership further remuneration, to execute and deliver documents pre such as settimony, as may be reasonably required to evide Assignee may assign or transfer all or part of its rights set f affix its signature to this document as well as any other indi herein is unanforceable, the requirements of the provision s offending portions thereof shall be deemed replaced, to the	to a third part te world, to iss thereof. At ass pared at assig- nce or protect ofth herein in it icie of its accep- hait remain to extent possible	y. I hereby authorize the U.S. Patent and ue to assignee all patents msulling from the signee's reasonable request Lagree, without nee's expense and to provide other cooperation, assignee's rights in the Assigned Applications. Its sole discretion. Lagree that the assignee may hance of the provisions hereof. If any provision the full extent permissible by law and the le, with a provision most closely reflecting the
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ACCIDING NT OF DATENT ADDI IOATION	Dockst Number (Optional)
ASSIGNMENT OF PATENT APPLICATION	GOOGLE 3.0F-1369 (E)
WHEREAS, I. <u>Calvin Karl Johnson</u> of <u>San Francisco. Call</u> discoveres, the subject matter of which is described in the patent a (hersefter "Patent Application").	
X WHEREAS (if the left box is checked), the Patent Applica Trademark Office on <u>August 8, 2014</u> , Application Number <u>14/455.2</u>	
WHEREAS (if the left box is checked), the Patent Applica (and whereas I hereby authorize Lemer, David, Littenberg, Krumhol No, filed on the applicat known), and	z & Mentlik, LLP, to insert in here in brackets (Application
WHEREAS. <u>Georgie Inc.</u> , incorporated or otherwise forme <u>Amphilheatre Parkway</u> , <u>Mountain View</u> , <u>California</u> , <u>54043</u> (hereafte acquired and is desirous of memorializing its acquisition further her	r, the "assignee") is desirous of acquiring, or has
as tollows. I agree to assign, and hereby do assign, to the assigner Assigned Applications in the United States of America and all other Patent Application, including any and all inventions, discoveries and continuation, continuation-in-part, substitute, release, ra-examinatio Patent Application pursuant to any law or treaty, and any patent iss do assign, to assignee the right to claim such priority or benefit. I h obligation to convey, my rights in the Assigned Applications to a this Trademark Office, and any other governmental agency in the world Assigned Applications and to record assignee's ownership thereof. further remuneration, to execute and deliver documents prepared a such as isstimony, as may be reasonably required to evidence or p Assignee may assign or transfer all or part of its rights set forth hern affor its signature to this document a well as any other indicis of its herein is unenforceable, the requirements of the provision shall rem offending portions thereof shall be deemed replaced, to the extent p purpose of the offending provision.	countries, where "Assigned Applications" means the 1 other subject matter described therein, any divisional, in or other application claiming prionity or benefit to the sing from the foregoing. Lagree to assign, and hereby ave not previously conveyed, nor am Laware of an it party. Thereby authorize the U.S. Patent and to issue to assignee all patents resulting from the At assignee's reasonable request Lagree, without t assignee's reasonable request Lagree, without t assignee's registe and to provide other cooperation, rotect assignee's rights in the Assigned Applications, an in its sole discretion. Lagree that the assignee may acceptance of the provisions hereof. If any provision iain to the full extent permissible by taw and the
Aug 20, 2014	4.0x
(Date)	(Signature)

	ASSIGNMENT	OF	PATENT	APPL	ICA	TION
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Docket Number (Optional)

GOOGLE 3.0F-1369 (E)

WHEREAS, I, <u>Albert Shane</u> of <u>Barkeley, California</u>, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "AUTONOMOUS 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 August 8, 2014, Application Number 14/455,215, 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, 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. Lagree 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.

Oct 27, 2014

(Date)

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sben stare (On 27, 2014)

(Signature)

GOOGLE 3.0F-1389 (E) <u>mia</u> , have invented or discovered inventions or iscation entitled "AUTONOMOUS VEHICLES" in was filed with the U.S. Patent and , and is names the following inventors: Is Mentilik, LLP, to insert in here in brackets jApplication is number and filing date of the application when
Reation entitled "AUTONOMOUS VEHICLES" n was filed with the U.S. Patent and , and n names the following inventors: I Mentlik, LLP, to insert in here in brackets lApplication
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n <u>Deleware</u> and having a place of business at <u>1600</u> fre "assignee") is desirous of acquiring, or has ), the entire right, title and interest in same;
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ASSIGNMENT OF PATENT APPLICAT	
	OODGLE 3.0F-1369 (E)
WHEREAS, I. <u>YooJung Ahn</u> of <u>Mountain View, Calify</u> he subject matter of which is described in the patent applicatio Application"),	Imia, have invented or discovered inventions or discoveries, on entitled "AUTONOMOUS VEHICLES" (hereafter "Patent
WHEREAS (if the left box is checked), the Patent Ag Frademerk Office on <u>August 8, 2014</u> , Application Number <u>14/4</u>	
WHEREAS (if the left box is checked), the Patent Ap (and whereas I hereby authorize Lemer, David, Litenberg, Kru- vo, filed on) the ap mown), and	mholz & Mentlik, LLP, to insert in here in brackets (Application
WHEREAS, <u>Goorde Inc.</u> , incorporated or otherwise f Amphitheatre Partway, Mountain View, California, 94043 (her acquired and is desirous of memorializing its acquisition furthe	ormed in <u>Deleware</u> and having a place of business at <u>1600</u> eatier, the "assignee") is desirous of acquiring, or has r herein, the entire right, title and interest in same;
Assigned Applications in the United States of America and all Patent Application, including any and all inventions, discoveris continuation, continuation-in-part, substitute, reissus, re-examt Patent Application pursuant to any law or treaty, and any pate do assign, to assignee the right to claim such priority or benefi- obligation to convey, my rights in the Assigned Applications to Trademark Office, and any other governmental agency in the Assigned Applications and to record assignee's ownership the further remuneration, to execute and deliver documents prepa- such as assignee may assign or transfer all or part of its rights set fort affix its signature to this document as well as any other indicis herein is upenforceable, the requirements of the provision sha affending portions thereof shall be deemed replaced, to the ex- purpose of the offending provision.	s and other subject matter described therein, any divisional, institut or benefit to the trissuing from the foregoing. Lagree to assign, and hereby it. These not previously conveyed, nor am Laware of an a third party. Thereby authorize the U.S. Patent and world, to issue to assignee all patents resulting from the reof. At assignee's reasonable reguest Lagree, without read at assignee's regensable reguest Lagree, without end are signee's rights in the Assigned Applications. It hereby not its acceptance of the provision hereof. It appendix a signee's rights in the Assigned Applications. It hereby not acceptance of the provision hereof. It any provision it remain to the full extent permissible by taw and the
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RECORDED: 09/02/2020