

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7202269

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNMENT DOCUMENT previously recorded on Reel 054940 Frame 0765. Assignor(s) hereby confirms the ATTACHED ASSIGNMENT DOCUMENT CONTAINS INCLUSION OF SERIAL NUMBERS WHICH HAVE NOW BEEN STRUCK THROUGH.

CONVEYING PARTY DATA

Name	Execution Date
UATC, LLC	12/04/2020

RECEIVING PARTY DATA

Name:	UBER TECHNOLOGIES, INC.
Street Address:	1455 MARKET ST.
Internal Address:	4TH FLOOR
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94103

PROPERTY NUMBERS Total: 164

Property Type	Number
Application Number:	15094899
Application Number:	15351209
Application Number:	15454941
Application Number:	15613636
Application Number:	15615870
Application Number:	15792964
Application Number:	15799323
Application Number:	15832552
Application Number:	15918599
Application Number:	15924865
Application Number:	15930042
Application Number:	15930574
Application Number:	15975265
Application Number:	16040806
Application Number:	16381839
Application Number:	16381844
Application Number:	16381847

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Property Type	Number
Application Number:	16382657
Application Number:	16389360
Application Number:	16401615
Application Number:	16401629
Application Number:	16414144
Application Number:	16420654
Application Number:	16429847
Application Number:	16437227
Application Number:	16446021
Application Number:	16454624
Application Number:	16454700
Application Number:	16458353
Application Number:	16458952
Application Number:	16504034
Application Number:	16517861
Application Number:	16519727
Application Number:	16526079
Application Number:	16544294
Application Number:	16557084
Application Number:	16572057
Application Number:	16573560
Application Number:	16585497
Application Number:	16595929
Application Number:	16601013
Application Number:	16660379
Application Number:	16665650
Application Number:	16678603
Application Number:	16686401
Application Number:	16711799
Application Number:	16720168
Application Number:	16723340
Application Number:	16727332
Application Number:	16731294
Application Number:	16734945
Application Number:	16734947
Application Number:	16829820
Application Number:	16853084
Application Number:	16868001

Property Type	Number
Application Number:	16932127
Application Number:	16988059
Application Number:	16991701
Application Number:	17014191
Application Number:	17014452
Application Number:	17063205
Application Number:	17068391
Application Number:	17094214
Application Number:	17095314
Application Number:	17095353
Application Number:	62258066
Application Number:	62342797
Application Number:	62479639
Application Number:	62510515
Application Number:	62522207
Application Number:	62550796
Application Number:	62552558
Application Number:	62564326
Application Number:	62564331
Application Number:	62564451
Application Number:	62570955
Application Number:	62573761
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Application Number:	62593422
Application Number:	62623171
Application Number:	62630552
Application Number:	62656143
Application Number:	62656677
Application Number:	62661843
Application Number:	62662388
Application Number:	62665868
Application Number:	62672245
Application Number:	62690032
Application Number:	62702041
Application Number:	62711150
Application Number:	62729042
Application Number:	62729053
Application Number:	62729071

Property Type	Number
Application Number:	62729087
Application Number:	62746298
Application Number:	62751921
Application Number:	62753482
Application Number:	62783965
Application Number:	62790818
Application Number:	62790827
Application Number:	62796808
Application Number:	62796974
Application Number:	62797040
Application Number:	62803048
Application Number:	62811168
Application Number:	62823300
Application Number:	62833392
Application Number:	62833401
Application Number:	62839127
Application Number:	62844051
Application Number:	62863566
Application Number:	62866279
Application Number:	62882642
Application Number:	62887777
Application Number:	62912185
Application Number:	62915236
Application Number:	62943543
Application Number:	62946718
Application Number:	62951754
Application Number:	62993822
Application Number:	63002645
Application Number:	63004725
Application Number:	63036590
Application Number:	63055921
Application Number:	63061848
Application Number:	63073606
Application Number:	63106116
Application Number:	63106626
Application Number:	63109539
PCT Number:	US2019043664
PCT Number:	US2016031929

Property Type	Number
PCT Number:	US2016063203
PCT Number:	US2017023411
PCT Number:	US2017034819
PCT Number:	US2018000215
PCT Number:	US2018024480
PCT Number:	US2018036246
PCT Number:	US2018037750
PCT Number:	US2018047044
PCT Number:	US2018048098
PCT Number:	US2018050879
PCT Number:	US2018050883
PCT Number:	US2018055127
PCT Number:	US2018056028
PCT Number:	US2018058163
PCT Number:	US2019015665
PCT Number:	US2019017837
PCT Number:	US2019026916
PCT Number:	US2019026918
PCT Number:	US2019030430
PCT Number:	US2019043000
PCT Number:	US2019058580
PCT Number:	US2020013813
PCT Number:	US2020019660
PCT Number:	US2020024637
PCT Number:	US2020027610
PCT Number:	US2020027654
PCT Number:	US2020046640
PCT Number:	US2020055665
Application Number:	15602204
Application Number:	15602244
Application Number:	15602313
Application Number:	15602327
Application Number:	15602387

CORRESPONDENCE DATA

Fax Number: (864)233-7342

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: docketing@dority-manning.com, scarpenter-rice@dority-manning.com

Correspondent Name: DORITY & MANNING, P.A. AND UATC, LLC
Address Line 1: P.O. BOX 1449
Address Line 4: GREENVILLE, SOUTH CAROLINA 29602

NAME OF SUBMITTER: ERIK K. SIVERTSON

SIGNATURE: /Erik K. Sivertson/

DATE SIGNED: 03/02/2022

Total Attachments: 38

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EPAS ID: PAT6486782

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	UATC, LLC	12/04/2020
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PCT Number:	US2019043000
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PCT Number:	US2020024637
PCT Number:	US2020027610
PCT Number:	US2020027654
PCT Number:	US2020046640
PCT Number:	US2020055665

CORRESPONDENCE DATA

Fax Number: (864)233-7342

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Email: USDOCKETING@DORITY-MANNING.COM,
jchapman@dority-manning.com

Correspondent Name: DORITY & MANNING, P.A. AND UBER TECHNOLOGIES, INC.

Address Line 1: PO BOX 1449

Address Line 4: GREENVILLE, SOUTH CAROLINA 29602

ATTORNEY DOCKET NUMBER:	UATC TO UTI
NAME OF SUBMITTER:	ERIK K. SIVERTSON
SIGNATURE:	/Erik K. Sivertson/
DATE SIGNED:	01/08/2021

Total Attachments: 32

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Exhibit A

This Patent Assignment (this "**Assignment**"), effective as December 4, 2020 (the "**Effective Date**"), is entered into by and between Uber Technologies, Inc., a Delaware corporation ("**Uber**"), and UATC, LLC, a Delaware limited liability company ("**ATG**"). Uber and UATC are sometimes referred to herein individually as a "**Party**" and collectively as the "**Parties.**"

WHEREAS, Uber and ATG entered into a First Amendment to the IP Matters Agreement (the "**Amendment**") that effectuated an "Uber-to-ATG Transfer," pursuant to which, among other things, ATG transferred and assigned to Uber all of ATG's right, title and interest in and to the patents and patent applications listed on the attached Schedule 1 (the "**Transferred Patents**").

NOW THEREFORE, for good and valuable consideration, the receipt of which is acknowledged, ATG hereby assigns and transfers to Uber all of its right, title and interest in and to the Transferred Patents including in and to any and all divisionals, continuations, continuations-in-part, substitutes, reexaminations, renewals, reissues and patents which have or which may be filed thereon or may be granted therefor, including any and all counterparts worldwide, including all right, title and interest in and to all income, royalties, damages and payments now or hereafter due or payable with respect to the Transferred Patents, and all causes of action (whether in law or equity) and the right to sue, counterclaim, and recover for the past, present and future infringement of the Transferred Patents. The Transferred Patents and all patents that issue on the Transferred Patents shall be held and enjoyed by Uber, its successors and assigns as fully and entirely as the same would have been held and enjoyed by ATG had this assignment not been made.

ATG agrees that if requested by Uber, without charge to either of them but at the cost and expense of Uber, ATG will perform any reasonable action which may be necessary to secure and to vest in Uber the full and entire right, title and interest in, to and under the Transferred Patents, including promptly communicating and providing any and all known and accessible facts, data or any other pertinent information thereof and promptly executing and delivering any and all papers, documents, forms, declarations, oaths, affidavits and other legal instruments.

ATG authorizes and requests the Commissioner for Patents in the United States Patent and Trademark Office, and any official of any country or countries, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to record and register this Assignment upon request by Uber, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

[Remainder of page intentionally left blank]

PATENT

PATENT

REEL: 059692 FRAME: 0357

IN WITNESS WHEREOF, the Parties hereto have caused this Assignment to be executed as of the Effective Date.

UBER TECHNOLOGIES, INC.

UATC, LLC

By: Dara Khosrowshahi

By: _____

Print Name: Dara Khosrowshahi

Print Name: Francois Chadwick

Title: Chief Executive Officer

Title: Manager

IN WITNESS WHEREOF, the Parties hereto have caused this Assignment to be executed as of the Effective Date.

UBER TECHNOLOGIES, INC.

UATC, LLC

By: _____

By: *F. Chadwick* _____

Print Name: Dara Khosrowshahi

Print Name: Francois Chadwick

Title: Chief Executive Officer

Title: Manager

Schedule I to Exhibit A
Transferred Patents

Application Number	IP Right Number	Docket Number	Title	Filing Date	Issue Date	Country Code
15/849,462	10163139	UP-00102USC3	SELECTING VEHICLE TYPE FOR PROVIDING TRANSPORT	12/20/2017	12/25/2018	US
15/849,432	10037553	UP-00102USC2	SELECTING VEHICLE TYPE FOR PROVIDING TRANSPORT	12/20/2017	7/31/2018	US
16/509,168		UP-00102USC5	SELECTING VEHICLE TYPE FOR PROVIDING TRANSPORT	7/11/2019		US
14/711,602	9547309	UP-00102US	SELECTING VEHICLE TYPE FOR PROVIDING TRANSPORT	5/13/2015	1/17/2017	US
15/367,521	9940651	UP-00102USC1	SELECTING VEHICLE TYPE FOR PROVIDING TRANSPORT	12/2/2016	4/10/2018	US
16/032,914	10395285	UP-00102USC4	SELECTING VEHICLE TYPE FOR PROVIDING TRANSPORT	7/11/2018	8/27/2019	US
		UP-00102USCIP1				US
20159764.8		UP-00103EPD2	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		EP
20159753.1		UP-00103EPD1	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		EP
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2020119506		UP-00103RUD1	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		RU
16/430,943		UP-00103USC1	PROVIDING REMOTE ASSISTANCE TO AN AUTONOMOUS VEHICLE	6/4/2019		US
270637		UP-00103ILD1	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		IL
10201910668X		UP-00103SGD1	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		SG

16793657.4	3295268	UP-00103EP-NL	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016	5/6/2020	NL
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16793657.4	3295268	UP-00103EP-GB	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016	5/6/2020	GB
14/711,570	10345809	UP-00103US	PROVIDING REMOTE ASSISTANCE TO AN AUTONOMOUS VEHICLE	5/13/2015	7/9/2019	US
PCT/US2016/032549		UP-00103WO	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		WO
202010194587.X		UP-00103CND2	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		CN
202010194586.5		UP-00103CND1	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		CN
2016262563	2016262563	UP-00103AU	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016	6/27/2019	AU
2,985,539		UP-00103CA	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		CA
201680041378.3	107850895	UP-00103CN	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016	3/31/2020	CN
16793657.4	3295268	UP-00103EP	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016	5/6/2020	EP
255590	255590	UP-00103IL	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016	2/29/2020	IL
2017143206	2726238	UP-00103RU	AUTONOMOUS VEHICLE OPERATED	5/13/2016	7/10/2020	RU

			WITH GUIDE ASSISTANCE			
11201709196U		UP-00103SG	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		SG
10-2017-7035830		UP-00103KR	AUTONOMOUS VEHICLE OPERATED WITH GUIDE ASSISTANCE	5/13/2016		KR
15/945,365	10329827	UP-00108USC4	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	4/4/2018	6/25/2019	US
14/708,611	9616773	UP-00108US	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/11/2015	4/11/2017	US
15/449,110	9790729	UP-00108USC1	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	3/3/2017	10/17/2017	US
15/629,357	9909349	UP-00108USC2	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	6/21/2017	3/6/2018	US
15/629,372	9963926	UP-00108USC3	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	6/21/2017	5/8/2018	US
PCT/US2016/031929		UP-00108WO	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/11/2016		WO
16/414,979	10662696	UP-00108USC5	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/17/2019	5/26/2020	US
15/930,042		UP-00108USC6	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/12/2020		US
		UP-00108USCIP1				US
201680040538.2		UP-00108CN	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/11/2016		CN
16793475.1		UP-00108EP	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/11/2016		EP
255562		UP-00108IL	DETECTING OBJECTS WITHIN A VEHICLE IN	5/11/2016		IL

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REEL: 059692 FRAME: 0362

			CONNECTION WITH A SERVICE			
2017142642	2725681	UP-00108RU	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/11/2016	7/3/2020	RU
11201709188R	11201709188R	UP-00108SG	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/11/2016	1/31/2019	SG
10-2017-7035479		UP-00108KR	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/11/2016		KR
2016262526		UP-00108AU	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/11/2016		AU
2,985,619		UP-00108CA	DETECTING OBJECTS WITHIN A VEHICLE IN CONNECTION WITH A SERVICE	5/11/2016		CA
2016355605		UP-00122AU	CONTROLLING AUTONOMOUS VEHICLES IN CONNECTION WITH TRANSPORT SERVICES	11/21/2016		AU
3,005,147		UP-00122CA	CONTROLLING AUTONOMOUS VEHICLES IN CONNECTION WITH TRANSPORT SERVICES	11/21/2016		CA
16867359.8		UP-00122EP	CONTROLLING AUTONOMOUS VEHICLES IN CONNECTION WITH TRANSPORT SERVICES	11/21/2016		EP
15/358,033	9953283	UP-00122US	CONTROLLING AUTONOMOUS VEHICLES IN CONNECTION WITH TRANSPORT SERVICES	11/21/2016	4/24/2018	US
PCT/US2016/063203		UP-00122WO	CONTROLLING AUTONOMOUS VEHICLES IN CONNECTION WITH TRANSPORT SERVICES	11/21/2016		WO

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REEL: 059692 FRAME: 0363

62/258,066		UP-00122USP	CONTROLLING AUTONOMOUS VEHICLES IN CONNECTION WITH TRANSPORT SERVICES	11/20/2015		US
17803718.0		UP-00163EP	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/26/2017		EP
2018-562108		UP-00163JP	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/26/2017		JP
11201810381Q		UP-00163SG	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/26/2017		SG
2017270574		UP-00163AU	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/26/2017		AU
3,023,034		UP-00163CA	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/26/2017		CA
201780046737.9	201780046737.9	UP-00163CN	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/26/2017	9/22/2020	CN
15/606,451	10303173	UP-00163US	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/26/2017	5/28/2019	US
16/420,654		UP-00163USC1	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/23/2019		US
PCT/US2017/034819		UP-00163WO	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/26/2017		WO
62/342,797		UP-00163USP	FACILITATING RIDER PICK-UP FOR A SELF-DRIVING VEHICLE	5/27/2016		US
16/932,127		UP-00164USC2	TRANSPORT VEHICLE CONFIGURATION FOR IMPAIRED RIDERS	7/17/2020		US
16/260,663	10720059	UP-00164USC1	TRANSPORT VEHICLE CONFIGURATION FOR IMPAIRED RIDERS	1/29/2019	7/21/2020	US
15/139,612	10255816	UP-00164US	TRANSPORT VEHICLE CONFIGURATION FOR IMPAIRED RIDERS	4/27/2016	4/9/2019	US
16/988,059		UP-00170US-1C2	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	8/7/2020		US
15/911,485	10126749	UP-00170US-3C1	CONFIGURING AN AUTONOMOUS VEHICLE FOR AN UPCOMING RIDER	3/5/2018	11/13/2018	US

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REEL: 059692 FRAME: 0364

2019236652		UP-00170AUDI	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	3/21/2017		AU
2017241321		UP-00170AU	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	3/21/2017		AU
3018335	3018335	UP-00170CA	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	3/21/2017	5/28/2019	CA
2017800221398		UP-00170CN	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	3/21/2017		CN
177763166		UP-00170EP	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	3/21/2017		EP
2018-550838		UP-00170JP	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	3/21/2017		JP
11201808161S		UP-00170SG	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	3/21/2017		SG
3040081		UP-00170CAD1	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	4/11/2019		CA
15/089,402	10093252	UP-00170US-1	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	4/1/2016	10/9/2018	US


15/089,408	9989645	UP-00170US-2	UTILIZING ACCELEROMETER DATA TO CONFIGURE AN AUTONOMOUS VEHICLE FOR A USER	4/1/2016	6/5/2018	US
15/089,416	10012990	UP-00170US-3	OPTIMIZING TIMING FOR CONFIGURING AN AUTONOMOUS VEHICLE	4/1/2016	7/3/2018	US
PCT/US2017/023411		UP-00170WO	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	3/21/2017		WO
16/009,558	10744965	UP-00170US-1C1	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	6/13/2018	8/18/2020	US
2019-184478	6779353	UP-00170JPD1	TRANSPORT FACILITATION SYSTEM FOR CONFIGURING A SERVICE VEHICLE FOR A USER	10/7/2019	10/15/2020	JP
16/051,910	10766500	UP-00171USC2	SENSORY STIMULATION SYSTEM FOR AN AUTONOMOUS VEHICLE	8/1/2018	9/8/2020	US
15/059,493	9789880	UP-00171US	SENSORY STIMULATION SYSTEM FOR AN AUTONOMOUS VEHICLE	3/3/2016	10/17/2017	US
15/651,878	10112623	UP-00171USC1	SENSORY STIMULATION SYSTEM FOR AN AUTONOMOUS VEHICLE	7/17/2017	10/30/2018	US
15/186,279	9902403	UP-00171USCIP1	SENSORY STIMULATION FOR AN AUTONOMOUS VEHICLE	6/17/2016	2/27/2018	US
15/094,899		UP-00186US	RIDER-VEHICLE HANDSHAKE	4/8/2016		US
15/229,923	10043316	UP-00192US-1	VIRTUAL REALITY EXPERIENCE FOR A VEHICLE	8/5/2016	8/7/2018	US
15/230,053	9922466	UP-00192US-2	VIRTUAL REALITY EXPERIENCE FOR A VEHICLE	8/5/2016	3/20/2018	US

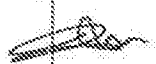
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REEL: 059692 FRAME: 0366


15/351,209		UP-00200US	VEHICLE WORK ENVIRONMENT	11/14/2016		US
15/452,431	10293818	UP-00224US-1	TELEASSISTANCE DATA PRIORITIZATION FOR SELF-DRIVING VEHICLES	3/7/2017	5/21/2019	US
15/452,456	10202126	UP-00224US-2	TELEASSISTANCE DATA ENCODING FOR SELF-DRIVING VEHICLES	3/7/2017	2/12/2019	US
16/271,558		UP-00224US-1C1	TELEASSISTANCE DATA PRIORITIZATION FOR SELF-DRIVING VEHICLES	2/8/2019		US
16/678,603		UP-00225USC1	PERSONALIZING RIDE EXPERIENCE BASED ON CONTEXTUAL RIDE USAGE DATA	11/8/2019		US
15/349,648	10482559	UP-00225US	PERSONALIZING RIDE EXPERIENCE BASED ON CONTEXTUAL RIDE USAGE DATA	11/11/2016	11/19/2019	US
15/378,553	10671063	UP-00248US	Vehicle Control Device	12/14/2016	6/2/2020	US
3,063,089		UP-00313CA	DESTINATION CHANGES IN AUTONOMOUS VEHICLES	5/8/2018		CA
18798355.6		UP-00313EP	DESTINATION CHANGES IN AUTONOMOUS VEHICLES	5/8/2018		EP
11201910272T		UP-00313SG	DESTINATION CHANGES IN AUTONOMOUS VEHICLES	5/8/2018		SG
15/590,194	10495471	UP-00313US	DESTINATION CHANGES IN AUTONOMOUS VEHICLES	5/9/2017	12/3/2019	US
16/545,300		UP-00313USC1	DESTINATION CHANGES IN AUTONOMOUS VEHICLES	8/20/2019		US
15/613,636		UP-00320US	Autonomous Vehicle System for Blending Sensor Data	6/5/2017		US
62/479,639		UP-00320USP	Autonomous Vehicle System for Blending Sensor Data	3/31/2017		US
18722260.9		UP-00329EP	SYSTEM FOR SAFE PASSENGER DEPARTURE FROM	3/27/2018		EP


			AUTONOMOUS VEHICLE			
15/475,881	10365654	UP-00329US	System for Safe Passenger Departure from Autonomous Vehicle	3/31/2017	7/30/2019	US
PCT/US2018/024480		UP-00329WO	SYSTEM FOR SAFE PASSENGER DEPARTURE FROM AUTONOMOUS VEHICLE	3/27/2018		WO
16/389,360		UP-00374USC1	COORDINATING ON-DEMAND TRANSPORTATION WITH AUTONOMOUS VEHICLES	4/19/2019		US
15/605,060	10290074	UP-00374US	COORDINATING ON-DEMAND TRANSPORTATION WITH AUTONOMOUS VEHICLES	5/25/2017	5/14/2019	US
15/454,941		UP-00375US	PERSONALIZED CONTENT CREATION FOR AUTONOMOUS VEHICLE RIDES	3/9/2017		US
15/605,065-0		UP-00376EP	PATH SEGMENT RISK REGRESSION SYSTEM FOR ON-DEMAND TRANSPORTATION SERVICES	5/17/2018		EP
PCT/US2018/033092		UP-00376WO	PATH SEGMENT RISK REGRESSION SYSTEM FOR ON-DEMAND TRANSPORTATION SERVICES	5/17/2018		WO
15/602,197	10489723	UP-00376US-1	PATH SEGMENT RISK REGRESSION SYSTEM FOR ON-DEMAND TRANSPORTATION SERVICES	5/23/2017	11/26/2019	US
15/602,204		UP-00376US-2	TRIP CLASSIFICATION SYSTEM FOR ON-DEMAND TRANSPORTATION SERVICES	5/23/2017		US
15/602,223	10762447	UP-00376US-3	VEHICLE SELECTION FOR ON-DEMAND TRANSPORTATION SERVICES	5/23/2017	9/4/2020	US
15/602,234	10501091	UP-00376US-4	SOFTWARE VERSION AND MODE SWITCHING FOR AUTONOMOUS VEHICLES	5/23/2017	12/10/2019	US

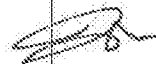

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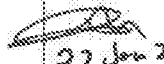
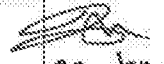
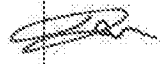


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15/602,344		UP-00376US-5	SOFTWARE VERSION VERIFICATION FOR AUTONOMOUS VEHICLES	5/23/2017		US	 27 Jun 22
15/602,327		UP-00376US-10	GENERALIZED RISK ROUTING FOR HUMAN DRIVERS	5/23/2017		US	 27 Jun 22
15/602,375	10697789	UP-00376US-11	INDIVIDUALIZED RISK ROUTING FOR HUMAN DRIVERS	5/23/2017	6/400/020	US	 27 Jun 22
15/602,387		UP-00376US-12	NON-TRIP RISK MATCHING AND ROUTING FOR ON-DEMAND TRANSPORTATION SERVICES	5/23/2017		US	 27 Jun 22
15/602,313		UP-00376US-9	INDIVIDUALIZED RISK-VEHICLE MATCHING FOR AN ON-DEMAND TRANSPORTATION SERVICE	5/23/2017		US	 27 Jun 22
15/646,637	10692371	UP-00395US	Systems and Methods for Changing Autonomous Vehicle Operations Based on User Profiles	7/11/2017	6/23/2/020	US	
62/522,207		UP-00395USP	Systems and Methods for Changing Autonomous Vehicle Operations Based on User Profiles	6/20/2017		US	
US16/544,294		UP-00396USC1	System and Methods to Enable User Control of an Autonomous Vehicle	4/19/2019		US	
15/615,870		UP-00396US	System and Methods to Enable User Control of an Autonomous Vehicle	6/7/2017		US	
PCT/US2018/036246		UP-00396WO	SYSTEM AND METHODS TO ENABLE USER CONTROL OF AN AUTONOMOUS VEHICLE	6/6/2018		WO	
18740681.4		UP-00409EP	SYSTEMS AND METHODS TO OBTAIN PASSENGER FEEDBACK IN RESPONSE TO AUTONOMOUS VEHICLE DRIVING EVENTS	6/15/2018		EP	
2019-569895		UP-00409JP	SYSTEMS AND METHODS TO OBTAIN PASSENGER FEEDBACK IN RESPONSE TO AUTONOMOUS	12/12/2019		JP	

			VEHICLE DRIVING EVENTS			
15/625,145	10346888	UP-00409US	Systems and Methods to Obtain Passenger Feedback in Response to Autonomous Vehicle Driving Events	6/16/2017	7/9/2019	US
PCI/US2018/037750		UP-00409WO	SYSTEMS AND METHODS TO OBTAIN PASSENGER FEEDBACK IN RESPONSE TO AUTONOMOUS VEHICLE DRIVING EVENTS	6/15/2018		WO
16/429,847		UP-00415USC1	Supervised Movement of Autonomous Vehicle	6/3/2019		US
15/800,494	10331134	UP-00415US	Supervised Movement of Autonomous Vehicle	11/1/2017	6/25/2019	US
15/708,748	10726379	UP-00422US	Last Mile Delivery Systems and Methods Using a Combination of Autonomous Lanch and Delivery Vehicles	9/19/2017	7/28/2020	US
15/662,314	10528059	UP-00423US1	Systems and Methods for Controlling Autonomous Vehicles that Provide a Vehicle Service to Users	7/28/2017	1/7/2020	US
15/662,327	10372141	UP-00423US2	Systems and Methods for Controlling Autonomous Vehicles that Provide a Vehicle Service to Users	7/28/2017	8/6/2019	US
16/734,947		UP-00423US1C2	Systems and Methods for Controlling Autonomous Vehicles that Provide a Vehicle Service to Users	1/6/2020		US
16/734,945		UP-00423US1C1	Systems and Methods for Controlling Autonomous Vehicles that Provide a Vehicle Service to Users	1/6/2020		US
16/504,034		UP-00423US2C1	Systems and Methods for Controlling Autonomous Vehicles that Provide a Vehicle Service to Users	7/5/2019		US
62/510,515		UP-00423USP	System and Methods for Controlling Autonomous Vehicles that Provide a Vehicle Service to Users	5/24/2017		US
15/661,608	10618498	UP-00425US	Systems and Methods for Providing User Access to an Autonomous Vehicle	7/27/2017	4/14/2020	US

US16/727,332		UP-00429USC1	Capacity Based Vehicle Operation	12/26/2019		US
15/654,200	10527428	UP-00429US	Capacity Based Vehicle Operation	7/19/2017	1/7/2020	US
		UP-00456US	ATM in AV			US
15/832,552		UP-00465US	COORDINATING ON-DEMAND TRANSPORT USING REQUESTOR LOCATION	12/5/2017		US
62/564,451		UP-00465USP	COORDINATING ON-DEMAND TRANSPORT USING REQUESTOR LOCALIZATION	9/28/2017		US
15/896,276	10791436	UP-00468US	Systems and Methods For a Vehicle Application Programming Interface	2/14/2018	9/29/2020	US
18796804.5		UP-00468EP	Systems and Methods for a Vehicle Application Programming Interface	4/9/2020		EP
JP2020-520458		UP-00468JP	Systems and Methods for a Vehicle Application Programming Interface	4/10/2020		JP
201880073939.7		UP-00468CN	Systems and Methods for a Vehicle Application Programming Interface	5/14/2020		CN
PCT/US2018/055127		UP-00468WO	Systems and Methods for a Vehicle Application Programming Interface	10/10/2018		WO
62/570,955		UP-00468USP	Systems and Methods for a Vehicle Application Programming Interface	10/11/2017		US
15/678,675	10261514	UP-00469US	Systems and Methods for Communicating Autonomous Vehicle Scenario Evaluation and Intended Vehicle Actions	8/16/2017	4/16/2019	US
PCT/US2018/00215		UP-00469WO	Systems and Methods for Communicating Autonomous Vehicle Scenario Evaluation and Intended Vehicle Actions	8/16/2018		WO
16/276,761	10712745	UP-00469USC1	Systems and Methods for Communicating Autonomous Vehicle Scenario Evaluation and Intended Vehicle Actions	2/15/2019	7/14/2020	US
18773277.1		UP-00469EP	Systems and Methods for Communicating Autonomous Vehicle Scenario Evaluation and Intended Vehicle Actions	2/13/2020		EP
2020-508507		UP-00469JP	Systems and Methods for Communicating Autonomous Vehicle	8/16/2018		JP

			Scenario Evaluation and Intended Vehicle Actions			
201880062360.0		UP-00469CN	Systems and Methods for Communicating Autonomous Vehicle Scenario Evaluation and Intended Vehicle Actions	3/26/2020		CN
		UP-00476US	Ipad Holder for AV (design)			US
16/585,497		UP-00482USCI	Systems and Methods for Communicating Intent of an Autonomous Vehicle	9/27/2019		US
15/700,211	10429846	UP-00482US	Systems and Methods for Communicating Intent of an Autonomous Vehicle	9/11/2017	10/1/2019	US
PCT/US2018/047044		UP-00482WO	Systems and Methods for Communicating Intent of an Autonomous Vehicle	8/20/2018		WO
18773296.1		UP-00482EP	Systems and Methods for Communicating Intent of an Autonomous Vehicle	2/28/2020		EP
62/550,796		UP-00482USP	Systems and Methods for Communicating Intent of an Autonomous Vehicle	8/28/2017		US
18779091.0		UP-00497EP	Systems and Methods for Determining When to Release Control of an Autonomous Vehicle	2/28/2020		EP
17/063,205		UP-00497USCI	Systems and Methods for Determining When to Release Control of an Autonomous Vehicle	10/5/2020		US
15/724,728	10795356	UP-00497US	Systems and Methods for Determining When to Release Control of an Autonomous Vehicle	10/4/2017	10/6/2020	US
PCT/US2018/048098		UP-00497WO	Systems and Methods for Determining When to Release Control of an Autonomous Vehicle	8/27/2018		WO
62/552,558		UP-00497USP	Systems and Methods for Determining When to Release Control of an Autonomous Vehicle	8/31/2017		US
201880072532.2		UP-00498CN	SYSTEMS AND METHODS FOR DETERMINING WHETHER AN AUTONOMOUS VEHICLE CAN PROVIDE A REQUESTED SERVICE FOR A RIDER	5/8/2020		CN

15/792,964		UP-00498US	Systems and Methods for Determining Whether an Autonomous Vehicle Can Provide a Requested Service for a Rider	10/25/2017		US
2020-517794		UP-00498JP	SYSTEMS AND METHODS FOR DETERMINING WHETHER AN AUTONOMOUS VEHICLE CAN PROVIDE A REQUESTED SERVICE FOR A RIDER	3/27/2020		JP
18789280.7		UP-00498EP	SYSTEMS AND METHODS FOR DETERMINING WHETHER AN AUTONOMOUS VEHICLE CAN PROVIDE A REQUESTED SERVICE FOR A RIDER	3/27/2020		EP
PCT/US2018/050879		UP-00498WO	SYSTEMS AND METHODS FOR DETERMINING WHETHER AN AUTONOMOUS VEHICLE CAN PROVIDE A REQUESTED SERVICE FOR A RIDER	9/13/2018		WO
62/564,326		UP-00498USP	Systems and Methods for Determining Whether an Autonomous Vehicle Can Provide a Requested Service for a Rider	9/28/2017		US
201880073911.3		UP-00499CN	SYSTEMS AND METHODS FOR MATCHING AN AUTONOMOUS VEHICLE TO A RIDER	5/14/2020		CN
15/799,323		UP-00499US	Systems and Methods for Matching an Autonomous Vehicle to a Rider	10/31/2017		US
2020-517968		UP-00499JP	SYSTEMS AND METHODS FOR MATCHING AN AUTONOMOUS VEHICLE TO A RIDER	3/27/2020		JP
18789281.5		UP-00499EP	SYSTEMS AND METHODS FOR MATCHING AN AUTONOMOUS VEHICLE TO A RIDER	3/27/2020		EP

PCT/US2018/050883		UP-00499WO	SYSTEMS AND METHODS FOR MATCHING AN AUTONOMOUS VEHICLE TO A RIDER	9/13/2018		WO
62/564,331		UP-00499USP	Systems and Methods for Matching an Autonomous Vehicle to a Rider	9/28/2017		US
15/804,428	10421396	UP-00556US	Systems and Methods for Signaling Intentions to Riders	11/6/2017	9/24/2019	US
PCT/US2018/056028		UP-00556WO	Systems and Methods for Signaling Intentions to Riders	10/16/2018		WO
62/573,761		UP-00556USP	Systems and Methods for Signaling Intentions to Riders	10/18/2017		US
15/877,689	10310505	UP-00583US	Seamless Vehicle Entry	1/23/2018	6/4/2019	US
62/593,422		UP-00583USP	Seamless Vehicle Entry	12/1/2017		US
PCT/US2018/058163		UP-00603WO	Systems and Methods for Presenting Virtual Content in a Vehicle	10/30/2018		WO
15/807,932	10546560	UP-00603US	Systems and Methods for Presenting Virtual Content in a Vehicle	11/9/2017	1/28/2020	US
62/579,505		UP-00603USP	Systems and Methods for Presenting Virtual Content in a Vehicle	10/31/2017		US
PCT/US2018/064443		UP-00685WO	COORDINATING TRANSPORT THROUGH A COMMON RENDEZVOUS LOCATION	12/7/2018		WO
16/212,983		UP-00685US	COORDINATING TRANSPORT THROUGH A COMMON RENDEZVOUS LOCATION	12/7/2018		US
62/596,519		UP-00685USP	COORDINATING TRANSPORT THROUGH A COMMON RENDEZVOUS LOCATION	12/8/2017		US
19705041.2		UP-00709EP	Autonomous Vehicle Application Programming Interface and Communications Systems and Methods	7/29/2020		EP

PCT/US2019/015665		UP-00709WO	Autonomous Vehicle Application Programming Interface and Communications Systems and Methods	1/29/2019		WO
15/918,588	10749960	UP-00709US1	Autonomous Vehicle Application Programming Interface And Communications Systems And Methods	3/12/2018	8/18/2020	US
15/918,599		UP-00709US2	Autonomous Vehicle Application Programming Interface And Communications Systems And Methods	3/12/2018		US
62/623,171		UP-00709USP	Autonomous Vehicle Application Programming Interface and Communications Systems and Methods	1/29/2018		US
19708718.2		UP-00721EP	State-Based Autonomous-Vehicle Operations	7/24/2020		EP
15/924,865		UP-00721US	State-Based Autonomous-Vehicle Operations	3/19/2018		US
PCT/US2019/017837		UP-00721WO	State-Based Autonomous-Vehicle Operations	2/13/2019		WO
62/630,552		UP-00721USP	State-Based Autonomous-Vehicle Operations	2/14/2018		US
19787758.2		UP-00728EP	ON-DEMAND TRANSPORT SYSTEM FACILITATING THIRD-PARTY AUTONOMOUS VEHICLES	4/19/2019		EP
PCT/US2019/028396		UP-00728WO	ON-DEMAND TRANSPORT SYSTEM FACILITATING THIRD-PARTY AUTONOMOUS VEHICLES	4/19/2019		WO
16/389,794		UP-00728US	ON-DEMAND TRANSPORT SYSTEM FACILITATING THIRD-PARTY AUTONOMOUS VEHICLES	4/19/2019		US
62/660,582		UP-00728USP	ON-DEMAND TRANSPORT SYSTEM FACILITATING THIRD-PARTY AUTONOMOUS VEHICLES	4/20/2018		US

19722981.8		UP-00759EP	Controlling an Autonomous Vehicle and the Service Selection of an Autonomous Vehicle	10/15/2020		EP
16/381.844		UP-00759US2	Controlling an Autonomous Vehicle and the Service Selection of an Autonomous Vehicle	4/11/2019		US
16/381.847		UP-00759US3	Controlling an Autonomous Vehicle and the Service Selection of an Autonomous Vehicle	4/11/2019		US
16/381.839		UP-00759US1	Controlling an Autonomous Vehicle and the Service Selection of an Autonomous Vehicle	4/11/2019		US
PCT/US2019/026916		UP-00759WO	Controlling an Autonomous Vehicle and the Service Selection of an Autonomous Vehicle	4/11/2019		WO
62/656,143		UP-00759USP1	Controlling an Autonomous Vehicle and the Service Selection of an Autonomous Vehicle	4/11/2018		US
62/729,087		UP-00759USP2	Controlling an Autonomous Vehicle and the Service Selection of an Autonomous Vehicle	9/10/2018		US
16/039,634		UP-00771US	NETWORK COMPUTER SYSTEM TO DETERMINE SUITABILITIES OF VEHICLES USING BLOCKCHAIN RECORDS	7/19/2018		US
15/975,265		UP-00778US	Systems and Methods for Using Machine Learning to Determine Passenger Ride Experience	5/9/2018		US
62/662,388		UP-00778USP	Systems and Methods for Using Machine Learning to Determine Passenger Ride Experience	4/25/2018		US
19724986.5		UP-00779EP	Reducing Autonomous Vehicle Downtime and Idle Data Usage	11/18/2020		EP
16/401,629		UP-00779US2	Reducing Autonomous Vehicle Downtime and Idle Data Usage	5/2/2019		US
16/401,615		UP-00779US1	Reducing Autonomous Vehicle Downtime and Idle Data Usage	5/2/2019		US
		UP-00779USCIP1	Reducing Autonomous Vehicle Downtime and Idle Data Usage			US

PCT/US2019/030430		UP-00779WO	Reducing Autonomous Vehicle Downtime and Idle Data Usage	5/2/2019		WO
62/665,868		UP-00779USP	Reducing Autonomous Vehicle Downtime and Idle Data Usage	5/2/2018		US
PCT/US2019/058580		UP-00782WO	ON-DEMAND TRANSPORT SELECTION PROCESS FACILITATING THIRD-PARTY AUTONOMOUS VEHICLES	10/29/2019		WO
US16/665,650		UP-00782US	ON-DEMAND TRANSPORT SELECTION PROCESS FACILITATING THIRD-PARTY AUTONOMOUS VEHICLES	10/28/2019		US
62/751,921		UP-00782USP2	ON-DEMAND TRANSPORT SELECTION PROCESS FACILITATING THIRD-PARTY AUTONOMOUS VEHICLES	10/29/2018		US
62/661,843		UP-00782USP1	ON-DEMAND TRANSPORT SELECTION PROCESS FACILITATING THIRD-PARTY AUTONOMOUS VEHICLES	4/24/2018		US
16/519,727		UP-00806US	Autonomous Vehicle Idle State Task Selection for Improved Computational Resource Usage	7/23/2019		US
PCT/US2019/043000		UP-00806WO	Autonomous Vehicle Idle State Task Selection for Improved Computational Resource Usage	7/23/2019		WO
62/702,041		UP-00806USP1	Autonomous Vehicle Idle State Task Selection for Improved Computational Resource Usage	7/23/2018		US
62/729,042		UP-00806USP2	Autonomous Vehicle Idle State Task Selection for Improved Computational Resource Usage	9/10/2018		US
16/414,144		UP-00807US	Selective Activation of Autonomous Vehicles	5/16/2019		US
62/672,245		UP-00807USP1	Selective Activation of Autonomous Vehicles	5/16/2018		US

62/729,071		UP-00807USP2	Selective Activation of Autonomous Vehicles	9/10/2018		US
19/723,245.7		UP-00819EP	Autonomous Vehicle Control Using Service Pools Across Different Service Entities	10/15/2020		EP
3,096,857		UP-00819CA	Autonomous Vehicle Control Using Service Pools Across Different Service Entities	10/9/2020		CA
16/382,657		UP-00819US	Autonomous Vehicle Control Using Service Pools Across Different Service Entities	4/12/2019		US
PCT/US2019/026918		UP-00819WO	Autonomous Vehicle Control Using Service Pools Across Different Service Entities	4/11/2019		WO
62/656,677		UP-00819USP1	Generating Service Pools Across Different Service Entities for Autonomous Vehicles	4/12/2018		US
62/729,053		UP-00819USP2	Generating Service Pools across Different Service Entities for Autonomous Vehicles	9/10/2018		US
		UP-00826US	Rider Interfaces			US
16/040,806		UP-00827US	Passenger Health Monitoring and Intervention for Autonomous Vehicles	7/20/2018		US
62/690,032		UP-00827USP	Passenger Health Monitoring and Intervention for Autonomous Vehicles	6/26/2018		US
		UP-00836US	Parental Controls for AVs			US
62/687,390		UP-00844USP	TELEASSISTANCE HIERARCHY TO FACILITATE AUTONOMOUS VEHICLE RESOLUTION OF TELEASSISTANCE EVENTS	6/20/2018		US
16/174,974	10761527	UP-00854US	Integration Platform for Autonomous Vehicles	10/30/2018	9/1/2020	US
PCT/2019US/043664		UP-00854WO	Integration Platform for Autonomous Vehicles	7/26/2019		WO
62/711,150		UP-00854USP	Integration Platform for Autonomous Vehicles	7/27/2018		US

16/601,013		UP-00866US	Autonomous Vehicle Capability and Operational Domain Evaluation and Selection for Improved Computational Resource Usage	10/14/2019		US
62/746,298		UP-00866USP	Autonomous Vehicle Capability and Operational Domain Evaluation and Selection for Improved Computational Resource Usage	10/16/2018		US
16/446,021		UP-00867US	Autonomous Vehicle Fleet Management for Improved Computational Resource Usage	6/19/2019		US
62/753,482		UP-00867USP	Autonomous Vehicle Fleet Management for Improved Computational Resource Usage	10/31/2018		US
16/437,227		UP-00868US	Methods and Systems for Configuring and Instructing Autonomous Vehicles	6/11/2019		US
62/803,048		UP-00868USP2	Methods and Systems for Configuring and Instructing Autonomous Vehicles	2/8/2019		US
62/783,965		UP-00868USP1	Methods and Systems for Configuring and Instructing Autonomous Vehicles	12/21/2018		US
		UP-00905US	Generic Routing Graph Language			US
16/752,199		UP-00906US	ROUTING MULTIPLE AUTONOMOUS VEHICLES USING LOCAL AND GENERAL ROUTE PLANNING	1/24/2020		US
62/796,873		UP-00906USP	AUTONOMOUS VEHICLE ROUTING	1/25/2019		US
16/696,227		UP-00907US	ROUTING GRAPH MANAGEMENT IN AUTONOMOUS VEHICLE ROUTING	11/26/2019		US
PC1/US2019/063286	2020112799	UP-00907WO	ROUTING GRAPH MANAGEMENT IN AUTONOMOUS VEHICLE ROUTING	11/26/2019		WO
62/771,545		UP-00907USP	CONSTRAINED AUTONOMOUS VEHICLE ROUTING	11/26/2018		US

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16/698,061		UP-00908US	TUNING AUTONOMOUS VEHICLE DISPATCH USING AUTONOMOUS VEHICLE PERFORMANCE	11/27 /2019		US
PCT/US2019/0 63654		UP-00908WO	TUNING AUTONOMOUS VEHICLE DISPATCH USING VEHICLE PERFORMANCE	11/27 /2019		WO
62/772,420		UP-00908USP	TUNING AUTONOMOUS VEHICLE DISPATCH USING AUTONOMOUS VEHICLE PERFORMANCE	11/28 /2018		US
16/721,673		UP-00909US	ROUTING AUTONOMOUS VEHICLES USING TEMPORAL DATA	12/19 /2019		US
PCT/US2019/0 67631		UP-00909WO	ROUTING AUTONOMOUS VEHICLES USING TEMPORAL DATA	12/19 /2019		WO
62/782,296		UP-00909USP	ROUTING AUTONOMOUS VEHICLES USING TEMPORAL DATA	12/19 /2018		US
16/739,904		UP-00912US	RESPONDING TO AUTONOMOUS VEHICLE ERROR STATES	1/10/ 2020		US
62/791,489		UP-00912USP	RESPONDING TO AUTONOMOUS VEHICLE ERROR STATES	1/11/ 2019		US
16/538,236		UP-00929US	AUTONOMOUS VEHICLE POSITIONING FOR TRIP OPTIMIZATION	8/12/ 2019		US
62/796,903		UP-00929USP	AUTONOMOUS VEHICLE POSITIONING FOR TRIP OPTIMIZATION	1/25/ 2019		US
16/573,560		UP-00951US	Context-Based Remote Autonomous Vehicle Assistance	9/17/ 2019		US
PCT/US2020/0 19660		UP-00951WO	Context-Based Remote Autonomous Vehicle Assistance	2/25/ 2020		WO
62/811,168		UP-00951USP	Context-Based Remote Autonomous Vehicle Assistance	2/27/ 2019		US

16/454,700		UP-01009US	Vehicle Integration Platform (VIP) Security	6/27/2019		US
PCT/US2020/013813		UP-01009WO	Vehicle Integration Platform (VIP) Security	1/16/2020		WO
62/796,808		UP-01009USP	Vehicle Integration Platform (VIP) Security	1/25/2019		US
16/752,164		UP-01013US	AUTONOMOUS VEHICLE ROUTING WITH ROADWAY ELEMENT IMPACT	1/24/2020		US
62/868,347		UP-01013USP	AUTONOMOUS VEHICLE ROUTING WITH ROUTE COMPONENT IMPACT	6/28/2019		US
16/752,292		UP-01014US	OPERATOR ASSISTANCE FOR AUTONOMOUS VEHICLES	1/24/2020		US
PCT/US2020/015075		UP-01014WO	OPERATOR ASSISTANCE FOR AUTONOMOUS VEHICLES	1/24/2020		WO
62/836,936		UP-01014USP2	OPERATOR ASSISTANCE FOR AUTONOMOUS VEHICLES	4/22/2019		US
62/796,882		UP-01014USP1	REAL TIME REMOTE OPERATOR TRIGGERING FOR HIGH COST MAP CONSTRAINTS	1/25/2019		US
16/750,773		UP-01015US	PROACTIVE GENERATION OF TUNING DATA FOR AUTONOMOUS VEHICLE DISPATCH	1/23/2020		US
62/823,594		UP-01015USP2	PROACTIVE GENERATION OF TUNING DATA FOR AUTONOMOUS VEHICLE DISPATCH	3/25/2019		US
62/796,890		UP-01015USP1	DETERMINATION OF THIRD PARTY VEHICLE CAPABILITIES	1/25/2019		US
16/514,937		UP-01016US	PICK-UP/DROP-OFF ZONE HANDOFF BETWEEN AUTONOMOUS VEHICLES	7/17/2019		US
PCT/US2020/015046		UP-01016WO	PICK-UP/DROP-OFF ZONE HANDOFF	1/24/2020		WO

62/829,343		UP-01016USP2	PICK-UP/DROP-OFF ZONE HANDOFF BETWEEN AUTONOMOUS VEHICLES	4/4/2019		US
62/796,897		UP-01016USP1	PDZ HANDOFF BETWEEN AUTONOMOUS VEHICLES	1/25/2019		US
16/514,933		UP-01017US	PICK-UP/DROP-OFF ZONE AVAILABILITY ESTIMATION USING PROBABILISTIC MODEL	7/17/2019		US
62/829,340		UP-01017USP2	PICK-UP/DROP-OFF ZONE AVAILABILITY ESTIMATION USING PROBABILISTIC MODEL	4/4/2019		US
62/796,895		UP-01017USP1	ROUTING BASED ON PROBABILISTIC PDZ AVAILABILITY	1/25/2019		US
16/454,624		UP-01018US	Systems and Methods for Improved Monitoring of a Vehicle Integration Platform	6/27/2019		US
62/839,127		UP-01018USP	Systems and Methods for Improved Monitoring of a Vehicle Integration Platform	4/26/2019		US
16/720,168		UP-01020US	Multi-Autonomous Vehicle Servicing and Control System and Methods	12/19/2019		US
62/912,185		UP-01020USP	Multi-Autonomous Vehicle Servicing and Control System and Methods	10/8/2019		US
		UP-01021US	Rider-Initiated Remote Operator Assignment			US
PCI/US2020/046640		UP-01022WO	Command Toolbox For Autonomous Vehicles	8/17/2020		WO
16/711,799		UP-01022US	Command Toolbox for Autonomous Vehicles	12/12/2019		US
62/887,777		UP-01022USP	Command Toolbox For Autonomous Vehicles	8/16/2019		US
16/686,401		UP-01023US	Systems and Methods for Vehicle Motion Control With Interactive Object Annotation	11/18/2019		US

62/863,566		UP-01023USP	Systems and Methods for Autonomous Vehicle Control with Interactive Object Annotation	6/19/2019		US
16/517,861		UP-01024US	Offboard Vehicle Service Testing System	7/22/2019		US
62/797,040		UP-01024USP2	Testing Library for Offboard Vehicle Service Testing System	1/25/2019		US
62/790,827		UP-01024USP1	Offboard Vehicle Service Testing System	1/10/2019		US
16/595,929		UP-01025US	Autonomous Vehicle Service Simulation	10/8/2019		US
62/790,818		UP-01025USP	Autonomous Vehicle Service Simulation	1/10/2019		US
		UP-01026USP	Testing Libraries			US
		UP-01027USP	Integration Kit			US
16/526,079		UP-01028US	Cloud Software Development Kit for Third-Party Autonomous Vehicles	7/30/2019		US
62/796,974		UP-01028USP	Cloud Software Development Kit for Third-Party Autonomous Vehicles	1/25/2019		US
PCT/US2020/027610		UP-01041WO	METHODS AND SYSTEMS FOR CONFIGURING VEHICLE COMMUNICATIONS	4/10/2020		WO
16/458,353		UP-01041US	Methods and Systems for Configuring Vehicle Communications	7/1/2019		US
62/833,392		UP-01041USP	Methods and Systems for Configuring Autonomous-Vehicle Communications	4/12/2019		US
PCT/US2020/027654		UP-01042WO	METHODS AND SYSTEMS FOR MANAGING NETWORK RESOURCES OF A VEHICLE	4/10/2020		WO
16/458,952		UP-01042US	Methods and Systems for Managing Network Resources of a Vehicle	7/1/2019		US
62/833,401		UP-01042USP	Methods and Systems for Managing Network Resources of an Autonomous Vehicle	4/12/2019		US
PCT/US2020/024637		UP-01066WO	Vehicle Integration Platform (VIP) Security Integration	3/25/2020		WO

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16/557,084		UP-01066US	Vehicle Integration Platform (VIP) Security Integration	8/30/2019		US
62/823,300		UP-01066USP	Vehicle Integration Platform (VIP) Security Integration	3/25/2019		US
16/660,379		UP-01070US	Third-Party Vehicle Operator Sign-In	10/22/2019		US
62/844,051		UP-01070USP	Third-Party Vehicle Operator Sign-In	5/6/2019		US
16/827,170		UP-01080US	MONITORING AUTONOMOUS VEHICLE ROUTE CONFORMANCE FOR IMPROVED EFFICIENCY	3/23/2020		US
62/823,586		UP-01080USP	MONITORING AUTONOMOUS VEHICLE ROUTE CONFORMANCE FOR IMPROVED EFFICIENCY	3/25/2019		US
16/572,057		UP-01097US	Systems and Methods for Autonomous Vehicle Deployment and Control	9/16/2019		US
62/882,642		UP-01097USP	Systems and Methods for Autonomous Vehicle Deployment and Control	8/5/2019		US
PCT/US2020/055665		UP-01098WO	Systems and Methods for Energy Based Autonomous Vehicle Control	10/15/2020		WO
16/731,294		UP-01098US	Systems and Methods for Energy Based Autonomous Vehicle Control	12/31/2019		US
62/915,236		UP-01098USP	Systems and Methods for Energy Based Autonomous Vehicle Control	10/15/2019		US
16/947,246		UP-01106US	HYBRID HUMAN/AV DRIVER SYSTEM	7/24/2020		US
62/879,282		UP-01106USP	HYBRID HUMAN/AV DRIVER SYSTEM	7/26/2019		US
US16/723,340		UP-01109US	Scenario Runner	12/20/2019		US
62/866,279		UP-01109USP	System and Methods for Autonomous Vehicle Testing	6/25/2019		US
16/853,084		UP-01113US	SYSTEM AND METHODS FOR AUTONOMOUS VEHICLE TESTING	4/20/2020		US

			WITH A SIMULATED REMOTE OPERATOR		
62/993,822		UP-01113USP2	SYSTEM AND METHODS FOR AUTONOMOUS VEHICLE TESTING WITH A SIMULATED REMOTE OPERATOR	3/24/2020	US
62/946,718		UP-01113USP	SYSTEM AND METHODS FOR AUTONOMOUS VEHICLE TESTING WITH A SIMULATED REMOTE OPERATOR	12/11/2019	US
		UP-01115US	Commercially Viable Operational Domain (CVOB)		US
16/948,484		UP-01117US	ON-DEMAND TRANSPORT SELECTION PROCESS BASED ON PICK-UP/DROP-OFF ZONE UTILIZATION	9/21/2020	US
62/907,020		UP-01117USP	ON-DEMAND TRANSPORT SELECTION PROCESS BASED ON PICK-UP/DROP-OFF ZONE UTILIZATION	9/27/2019	US
16/948,559		UP-01118US	MANAGING SELF-DRIVING VEHICLES WITH PARKING SUPPORT	9/23/2020	US
62/906,527		UP-01118USP	MANAGING SELF-DRIVING VEHICLES WITH PARKING SUPPORT	9/26/2019	US
16/947,027		UP-01119US	PASSENGER WALKING POINTS IN PICK-UP/DROP-OFF ZONES	7/15/2020	US
62/881,188		UP-01119USP	PASSENGER WALKING POINTS IN PICK-UP/DROP-OFF ZONES	7/31/2019	US
16/947,028		UP-01128US	PICK-UP/DROP-OFF ZONE TRACKING SYSTEM	7/15/2020	US
62/881,178		UP-01128USP	PICK-UP/DROP-OFF ZONE TRACKING SYSTEM	7/31/2019	US

16/829,820		UP-01137US	System and Methods for Automated Detection of Vehicle Cabin Events for Triggering Remote Operator Assistance	3/25/2020		US
62/951,754		UP-01137USP	System and Methods for Automated Detection of Vehicle Cabin Events for Triggering Remote Operator Assistance	12/20/2019		US
16/948,822		UP-01138US	REVISING SELF-DRIVING VEHICLE ROUTES IN RESPONSE TO OBSTRUCTIONS	10/17/2020		US
62/909,019		UP-01138USP	REVISING SELF-DRIVING VEHICLE ROUTES IN RESPONSE TO OBSTRUCTIONS	10/17/2019		US
62/943,543		UP-01169USP	Systems and Methods for Computational Resource Allocation for Autonomous Vehicles	12/4/2019		US
16/868,001		UP-01220US	System and Methods for Automatic Generation of Remote Assistance Sessions Based on Anomaly Data Collected from Human-Driven Vehicle	5/6/2020		US
63/004,725		UP-01220USP	System and Methods for Automatic Generation of Remote Assistance Sessions Based on Anomaly Data Collected from Human-Driven Vehicles	4/3/2020		US
15/930,574		UP-01231US	SYSTEMS AND METHODS FOR AUTOMATICALLY ASSIGNING VEHICLE IDENTIFIERS FOR VEHICLES	5/13/2020		US
63/002,645		UP-01231USP	SYSTEMS AND METHODS FOR AUTOMATICALLY ASSIGNING VEHICLE IDENTIFIERS FOR VEHICLES	3/31/2020		US
16/991,701		UP-01232US	Systems and Methods for Selective Autonomous Vehicle Ridership and Control	8/12/2020		US
63/036,590		UP-01232USP	Systems and Methods for Selective Autonomous	6/9/2020		US

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			Vehicle Ridership and Control			
		UP-01233US	Telemassist Sign-In			US
63/031,178		UP-01263USP	AUTOMATED ROUTING GRAPH MODIFICATION MANAGEMENT	5/28/2020		US
62/706,058		UP-01264USP	ROUTING FEATURE FLAGS	7/29/2020		US
63/023,623		UP-01265USP	AUTONOMOUS VEHICLE ROUTING WITH THIRD PARTY VEHICLE CAPABILITY DATA	5/12/2020		US
17/014,191		UP-01266US	Systems and Methods for Relaying Requests to Autonomous Vehicles	9/8/2020		US
63/061,848		UP-01266USP	Systems and Methods for Relaying Requests to Autonomous Vehicles	8/6/2020		US
63/055,921		UP-01271USP	Systems and Methods for Limiting Autonomous Vehicle Requests	7/24/2020		US
17/014,452		UP-01271US	Systems and Methods for Limiting Autonomous Vehicle Requests	9/8/2020		US
17/068,391		UP-01272US	Systems and Methods for Secure Pairing Authorization of Passenger Applications and Vehicles	10/12/2020		US
63/073,606		UP-01272USP	Systems and Methods for Secure Pairing Authorization of Passenger Applications and Vehicles	9/2/2020		US
		UP-01315US	Image Frame Inpainting for Live Streaming Video			US
62/706,622		UP-01324USP	AUTONOMOUS VEHICLE PLANNED ROUTE PREDICTION	8/28/2020		US
62/706,623		UP-01325USP	JOINT ROUTING OF TRANSPORTATION SERVICES FOR AUTONOMOUS VEHICLES	8/28/2020		US
17/094,214		UP-01332US	Systems and Methods for Autonomous Vehicle State Management	11/10/2020		US
63/106,626		UP-01332USP	Systems and Methods for Autonomous Vehicle State Management	10/28/2020		US

17/095.353		UP-01352US	Systems and Methods for Providing an Improved Interface for Remote Assistance Operators	11/11/2020		US
63/106.116		UP-01352USP	Systems and Methods for Providing an Improved Interface for Remote Assistance Operators	10/27/2020		US
17/095.314		UP-01353US	Systems and Methods for Dynamic Data Buffering for Autonomous Vehicle Remote Assistance	11/11/2020		US
63/109.539		UP-01353USP	Systems and Methods for Dynamic Data Buffering for Autonomous Vehicle Remote Assistance	11/4/2020		US
		UP-01354US	Unlock / Opportunities for SDVP Market Expanse			US
		UP-01355US	Approvals and Enforcement for SDVP Market Expanse			US
63/198.798		UP-01359USP	ROUTE COMPARISON FOR VEHICLE ROUTING	11/13/2020		US
2018266108		UP-00313AU	DESTINATION CHANGES IN AUTONOMOUS VEHICLES	5/8/2018		AU
PCT/US2018/031510		UP-00313WO	DESTINATION CHANGES IN AUTONOMOUS VEHICLES	5/8/2018		WO