

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5733864

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
JESSICA LEARY	08/22/2019
JONATHON STAFF	08/22/2019
JOHN LOGAN ANDERSON	09/12/2019
MAX MEYERS	08/22/2019
PRATIK PATEL	08/28/2019
ROBIN YANG	08/28/2019
BRADLEY RYAN	09/11/2019
JOSH BERLIN	09/12/2019
TERESA LIN	08/29/2019
STANLEY SHIAO	09/05/2019
MICHAEL MAGNOLI	08/27/2019
CHAU-YAN WANG	09/06/2019
CHRISTOPHER FRY	08/22/2019

**RECEIVING PARTY DATA**

<b>Name:</b>	GM CRUISE HOLDINGS LLC
<b>Street Address:</b>	1201 BRYANT STREET
<b>City:</b>	SAN FRANCISCO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94103

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16577914

**CORRESPONDENCE DATA**

Fax Number: (202)783-3535

*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.*

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Correspondent Name: GM CRUISE HOLDINGS LLC C/O POLSINELLI

Address Line 1: 1401 EYE STREET NW

**PATENT**

**Address Line 4:** WASHINGTON, D.C. 20005

**ATTORNEY DOCKET NUMBER:** 102397-635184\_P100208US02

**NAME OF SUBMITTER:** NANCE S. PITZER

**SIGNATURE:** /Nance S. Pitzer/

**DATE SIGNED:** 09/24/2019

**Total Attachments: 13**

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**PATENT ASSIGNMENT**

Docket No: P100208-US-01

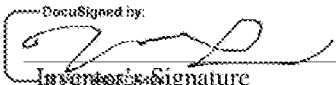
I, Jessica Leary, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 161860 to insert here in parentheses (filed on September 12, 2019 and given Application No. 16/569,488 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known.
- was filed on \_\_\_\_\_ and was given Application No. \_\_\_\_\_ by the following Office "\_\_\_\_\_".

GM Cruise Holdings LLC, on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in whole or in part, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES")).

For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, ASSIGNOR's entire and exclusive rights, title and interest, including the right of priority, in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES).

ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

DocuSigned by: 	8/22/2019
Inventor's Signature	Date
Jessica LEARY	San Francisco, California
Full name	Inventor's Residence

**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, Jonathon Staff, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS" ("APPLICATION"), which:

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DocuSigned by: <u>Jonathon Staff</u> Inventor's Signature	<u>8/22/2019</u> Date
<u>Jonathon STAFF</u> Full name	<u>San Francisco, California</u> Inventor's Residence

**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, John Logan Anderson, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS” (“APPLICATION”), which:

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DocuSigned by:	
<u>John Logan Anderson</u> Inventor's Signature	<u>9/12/2019</u> Date
<u>John Logan ANDERSON</u> Full name	<u>San Francisco, California</u> Inventor's Residence

**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, Max Meyers, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 161860 to insert here in parentheses (filed on September 12, 2019 and given Application No. 16/569,488 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known.
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ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

DocuSigned by: <u>Max Meyers</u> Inventor's Signature	<u>8/22/2019</u> Date
<u>Max MEYERS</u> Full name	<u>Oakland, California</u> Inventor's Residence

**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, Pratik Patel, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 161860 to insert here in parentheses (filed on September 12, 2019 and given Application No. 16/569,488 by the following Office US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known.
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ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).

<small>DocuSigned by:</small>	
<u>Pratikbhai Patel</u>	<u>8/28/2019</u>
<small>Inventor's Signature</small>	<small>Date</small>
<u>Pratik PATEL</u>	<u>San Francisco, California</u>
<small>Full name</small>	<small>Inventor's Residence</small>

**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, Robin Yang, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS" ("APPLICATION"), which:

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DocuSigned by: <u>Robin Yang</u> Inventor's Signature	<u>8/28/2019</u> Date San Francisco, California
<u>Robin YANG</u> Full name	<u>San Francisco, California</u> Inventor's Residence



**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, Bradley Ryan, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS" ("APPLICATION"), which:

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DocuSigned by: <u>Bradley Ryan</u> Inventor's Signature	<u>9/11/2019</u> Date
<u>Bradley RYAN</u> Full name	<u>300 Berry St, 1309, San Francisco Ca 94158</u> Inventor's Residence

**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, Josh Berlin, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS” (“APPLICATION”), which:

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DocuSigned by:  _____ Inventor’s Signature	9/12/2019 _____ Date
Josh BERLIN _____ Full name	San Francisco, CA _____ Inventor’s Residence

**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, Teresa Lin, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS" ("APPLICATION"), which:

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DocuSigned by: <u>Teresa Lin</u> Inventor's Signature	<u>8/29/2019</u> Date
<u>Teresa LIN</u> Full name	<u>San Francisco, CA</u> Inventor's Residence

**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, Stanley Shiao, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS” (“APPLICATION”), which:

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DocuSigned by: <u>Stanley Shiao</u> Inventor's Signature	<u>9/5/2019</u> Date San Francisco, CA
<u>Stanley SHIAO</u> Full name	<u>San Francisco, CA</u> Inventor's Residence



**PATENT ASSIGNMENT**

Docket No: P100208-US-01

I, Chau-Yan Wang, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS” (“APPLICATION”), which:

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DocuSigned by: <u>Chau-Yan Wang</u> Inventor's Signature	<u>9/6/2019</u> Date
<u>Chau-Yan WANG</u> Full name	<u>San Francisco, California</u> Inventor's Residence

**PATENT ASSIGNMENT**

Docket No: P100208-US-01

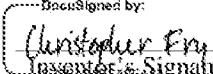
I, Christopher Fry, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "REAL-TIME VISUALIZATION OF AUTONOMOUS VEHICLE BEHAVIOR IN MOBILE APPLICATIONS" ("APPLICATION"), which:

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DocuSigned by:  Inventor's Signature	8/22/2019
<u>Christopher FRY</u> Full name	Date 388 Beale St, Apt 1314 San Francisco, CA 94105 Inventor's Residence