

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6640165

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHEN XIE	09/17/2019
ZACHARY GARCIA	09/17/2019
MICHAEL RUSIGNOLA	09/20/2019
MATTHEW FOX	09/20/2019
NICK TRAN	09/25/2019
KATHERINE FOTION	09/30/2019
DIVYA THAKUR	09/30/2019
RECEIVING PARTY DATA	
Name:	GM CRUISE HOLDINGS LLC
Street Address:	1201 BRYANT ST
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94103
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16588452
CORRESPONDENCE DATA	
Fax Number:	(202)783-3535
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	2027833300
Email:	cruise@polsinelli.com
Correspondent Name:	GM CRUISE HOLDINGS LLC C/O POLSINELLI PC
Address Line 1:	1401 I STREET
Address Line 2:	SUITE 800
Address Line 4:	WASHINGTON, D.C. 20005
ATTORNEY DOCKET NUMBER:	102397-628600_P100224US01
NAME OF SUBMITTER:	BRIAN MCKNIGHT
SIGNATURE:	/Brian McKnight/
DATE SIGNED:	04/05/2021

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Total Attachments: 7

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PATENT ASSIGNMENT

Docket No: P100224-US-01

I, Chen "Steve" Xie, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "MAP PRIOR LAYER" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 161860 to insert here in parentheses (filed on _____ and given Application No. _____ by the following Office _____) this APPLICATION's Application No., filing date, and Office, when known.
- was filed on September 30, 2019 and was given Application No. 16/588,452 by the following Office "US- United States Patent 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:	
<u>Steve Xie</u>	<u>9/17/2019</u>
Inventor's Signature	Date
<u>Chen "Steve" XIE</u>	<u>9/17/2019</u>
Full name	Inventor's Residence

PATENT ASSIGNMENT

Docket No: P100224-US-01

I, Zachary Garcia, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “MAP PRIOR LAYER” (“APPLICATION”), which:

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DocuSigned by: <u>Zachary Garcia</u> Inventor's Signature	<u>9/17/2019</u> Date
<u>Zachary GARCIA</u> Full name	<u>San Francisco, California</u> Inventor's Residence

PATENT ASSIGNMENT

Docket No: P100224-US-01

I, Michael Rusignola, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “MAP PRIOR LAYER” (“APPLICATION”), which:

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DocuSigned by: <u>Michael Rusignola</u> Inventor's Signature	<u>9/20/2019</u> Date
<u>Michael RUSIGNOLA</u> Full name	<u>Burlingame, California</u> Inventor's Residence

PATENT ASSIGNMENT

Docket No: P100224-US-01

I, Matt Fox, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “MAP PRIOR LAYER” (“APPLICATION”), which:

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DocuSigned by: <u>Matthew Fox</u> Inventor's Signature	<u>9/20/2019</u> Date
<u>Matt FOX</u> Full name	<u>9/20/2019</u> Inventor’s Residence

PATENT ASSIGNMENT

Docket No: P100224-US-01

I, Nick Tran, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “MAP PRIOR LAYER” (“APPLICATION”), which:

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DocuSigned by: <u>Nick Tran</u> Inventor's Signature	9/25/2019 Date
Nick TRAN Full name	9/25/2019 Inventor’s Residence

PATENT ASSIGNMENT

Docket No: P100224-US-01

I, Katherine Anne Fotion, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “MAP PRIOR LAYER” (“APPLICATION”), which:

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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:  Inventor's Signature	9/30/2019 Date
Katherine Anne FOTION Full name	San Francisco, California Inventor's Residence

PATENT ASSIGNMENT

Docket No: P100224-US-01

I, Divya Thakur, (“ASSIGNOR”) am the original inventor or an original joint inventor of the subject matter (“INVENTION”) disclosed and/or claimed in a patent application entitled “MAP PRIOR LAYER” (“APPLICATION”), which:

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DocuSigned by: <u>Divya Thakur</u> Inventor's Signature	<u>9/30/2019</u> Date
<u>Divya THAKUR</u> Full name	<u>San Francisco, California</u> Inventor’s Residence