

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT8197533

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROMAN SERGEEV	12/17/2019
ANDREW ROBINSON	12/13/2019
LUCIO OTAVIO MARCHIORO RECH	02/16/2022
RECEIVING PARTY DATA	
Name:	GM CRUISE HOLDINGS LLC
Street Address:	333 BRANNAN STREET
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94107
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	18478924
CORRESPONDENCE DATA	
Fax Number:	
<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:	7138448383
Email:	pdocket@novakdruce.com, brian.vo@novakdruce.com, teresa.meuangkhoth@novakdruce.com
Correspondent Name:	NOVAK DRUCE CARROLL LLP
Address Line 1:	845 TEXAS AVENUE
Address Line 2:	FORTIETH FLOOR, TEXAS TOWER
Address Line 4:	HOUSTON, TEXAS 77002
ATTORNEY DOCKET NUMBER:	CRUISE-233-US3-C2
NAME OF SUBMITTER:	TERESA MEUANGKHOTH
SIGNATURE:	/Teresa Meuangkhoth/
DATE SIGNED:	09/29/2023
Total Attachments: 3	
source=CRUISE-233-US3-C2_P100280-US-03CON_Assignment#page1.tif	
source=CRUISE-233-US3-C2_P100280-US-03CON_Assignment#page2.tif	

PATENT ASSIGNMENT

Docket No: 102397-636337_P100280US01

I, Lucio Otavio Marchioro Rech, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SEMANTIC MAP WITH LIVE UPDATES" ("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 US - United States Patent and Trademark Office) this APPLICATION's Application No., filing date, and Office, when known.
- ☒ was filed on December 18, 2019 and was given Application No 16/718,879 by the following Office "US - United States Patent and Trademark 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>Lucio Otavio Marchioro Rech</u>	<u>2/16/2022</u>
Inventor's Signature	Date
<u>Lucio Otavio Marchioro Rech</u>	<u>San Mateo, CA</u>
Full name	Inventor's Residence

PATENT ASSIGNMENT

Docket No: 102397-636337_P100280US01

I, Roman Sergeev, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SEMANTIC MAP WITH LIVE UPDATES" ("APPLICATION"), which:

- ☒ will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 161860 to insert here in parentheses (filed on December 18, 2019 and given Application No. 16/718,879 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:	
<u>Roman Sergeev</u>	<u>12/17/2019</u>
Inventor's Signature	Date
<u>Roman Sergeev</u>	<u>San Francisco, CA</u>
Full name	Inventor's Residence

PATENT ASSIGNMENT

Docket No: 102397-636337_P100280US01

I, Andrew Robinson, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "SEMANTIC MAP WITH LIVE UPDATES" ("APPLICATION"), which:

- ☒ will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 161860 to insert here in parentheses (filed on December 18, 2019 and given Application No. 16/718,879 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:	
<u>Andrew Robinson</u>	<u>12/13/2019</u>
Inventor's Signature	Date
<u>Andrew Robinson</u>	<u>San Francisco, CA</u>
Full name	Inventor's Residence