## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
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ANDREW ROBINSON	12/13/2019
LUCIO OTAVIO MARCHIORO RECH	02/16/2022

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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	18478924

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ATTORNEY DOCKET NUMBER:	CRUISE-233-US3-C2
NAME OF SUBMITTER:	TERESA MEUANGKHOTH
SIGNATURE:	/Teresa Meuangkhoth/
DATE SIGNED:	09/29/2023

**Total Attachments: 3** 

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**PATENT** REEL: 065080 FRAME: 0203 508150353

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PATENT REEL: 065080 FRAME: 0204

# PATENT ASSIGNMENT

joint inventor	of the subject matter ("INVENTIC	IGNOR") am the original inventor or an original ON") disclosed and/or claimed in a patent LIVE UPDATES" ("APPLICATION"), which:
	associated with Customer No. 16 on and given A following Office <u>US - United Sta</u>	authorizes, and requests, any practitioner 1860 to insert here in parentheses (filed Application No
		and was given Application No 16/718,879 ited States Patent and Trademark Office".
("ASSIGNEE and interest, is other applicat	"), is entitled to, and is desirous of neluding the right of priority, in the ions and patents derived therefrom or the United States, its territories, a	tself and its successors and assigns acquiring, the entire and exclusive rights, title NVENTION and the APPLICATION (and all such as continuing applications, in whole or in and all foreign countries ("APPLICATION"
ASSIGNOR, ASSIGNOR'S	the ASSIGNOR hereby sells, assig	receipt of which is hereby acknowledged by the gas and transfers to the ASSIGNEE, and interest, including the right of priority, in the PLICATION DERIVATIVES).
prosecution or regarding letter	f the APPLICATION (and APPLIC	nents and documents required for the making and CATION DERIVATIVES), for litigation or the purpose of protecting and perfecting title (RIVATIVES).
BOCUSIONER Unio Ot	on: avio Mardioro Redi	2/16/2022
livements:	Signature	Date
***************************************	vio Marchioro Rech	San Mateo, CA
Full name		Inventor's Residence

Docket No: 102397-636337\_P100280US01

## PATENT ASSIGNMENT

I, Roman Sergeey, ("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:

Docket No: 102397-636337\_P100280US01

X	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 <u>US - United States Patent and Trademark Office</u> ) 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).

Cocusigned by:		
Koman. Sergeu	12/17/2019	
Inventor's Signature	Date	•••••
Roman Sergeev	San Francisco, CA	
Full name	Inventor's Residence	

Page 1 of 1

## PATENT ASSIGNMENT

nventor of th	Irew Robinson, ("ASSIGNOR") am the original inventor or an original joint to subject matter ("INVENTION") disclosed and/or claimed in a patent application IANTIC 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 <u>December 18, 2019</u> and given Application No. <u>16/718,879</u> by the following Office <u>US - United States Patent and Trademark Office</u> ) this APPLICATION's Application No., filing date, and Office, when known.
	was filed on and was given Application No by the following Office "".
"ASSIGNEF and interest, in other applicat	Cruise Holdings LLC, on behalf of itself and its successors and assigns E"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title including the right of priority, in the INVENTION and the APPLICATION (and all itions and patents derived therefrom, such as continuing applications, in whole or in or the United States, its territories, and all foreign countries ("APPLICATION ES")).
ASSIGNOR, ASSIGNOR'	ood and valuable consideration, the receipt of which is hereby acknowledged by the the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, sentire and exclusive rights, title and interest, including the right of priority, in the and the APPLICATION (and APPLICATION DERIVATIVES).
ASSI	GNOR agrees to execute all instruments and documents required for the making and

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).

	12/13/2019	
Inventor's Signature	Date	•••••
Andrew Robinson	San Francisco,CA	
Full name	Inventor's Residence	•••••

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RECORDED: 09/29/2023

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