507048724 12/28/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7095562

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL CHOU	12/12/2021
NIGEL RODRIGUES	12/13/2021
JORDAN MICHAEL CROOM	12/11/2021

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:	17563617

CORRESPONDENCE DATA

Fax Number: (972)226-4837

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.

Phone: (617) 750-0620

Email: michelle@patcapgroup.com, docketing@patcapgroup.com

Correspondent Name: LI LI

Address Line 1: PATENT CAPITAL GROUP

Address Line 2: 30 FLOWER LANE

Address Line 4: LEVITTOWN, PENNSYLVANIA 19055

ATTORNEY DOCKET NUMBER:	CP100228-US-02CON	
NAME OF SUBMITTER:	MICHELLE C MANNING	
SIGNATURE:	/Michelle C. Manning/	
DATE SIGNED:	12/28/2021	

Total Attachments: 3

source=CP201228-US-01 Assignment - Signed#page1.tif source=CP201228-US-01 Assignment - Signed#page2.tif source=CP201228-US-01 Assignment - Signed#page3.tif

PATENT 507048724 REEL: 058491 FRAME: 0603

Docket No.: CP201228-US-01

PATENT ASSIGNMENT

I, Daniel Chou, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PERIODICALLY MAPPING CALIBRATION SCENE FOR CALIBRATING AUTONOMOUS VEHICLE SENSORS" ("APPLICATION"), which:

	o. 163861 to insert here in parentheses (filed on and given Application No. (17/550,239)
by the following Office (US-	United States Patent and Trademark Office) this on No., filing date, and Office, when known.
ATTLICATION S Application	in 1 to., ming care, and office, when known.
was filed on by the following Office "	and was given Application No

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: Datriel Llow 45A1523DFC8743D	12/12/2021
Inventor's Signature	Date
	Sunnyvale, CA
Daniel Chou	
Full Name	Inventor's City and State

PATENT REEL: 058491 FRAME: 0604

Docket No.: CP201228-US-01

PATENT ASSIGNMENT

I, Nigel Rodrigues, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PERIODICALLY MAPPING CALIBRATION SCENE FOR CALIBRATING AUTONOMOUS VEHICLE SENSORS" ("APPLICATION"), which:

🗵 will be filed. As	SSIGNOR hereby authorizes, and requests, any practitioner	
associated with	Customer No. 163861 to insert here in parentheses (filed on	
December 14	, 2021) and given Application No. (17/550,239	
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 followin		-
,	<u></u>	

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).

Mgu Kodrigus	12/13/2021
Inventor's Signature	Date
	San Francisco, CA
Nigel Rodrigues Full Name	Inventor's City and State

PATENT REEL: 058491 FRAME: 0605

RECORDED: 12/28/2021

Docket No.: CP201228-US-01

PATENT ASSIGNMENT

I, Jordan Michael Croom, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "PERIODICALLY MAPPING CALIBRATION SCENE FOR CALIBRATING AUTONOMOUS VEHICLE SENSORS" ("APPLICATION"), which:

\boxtimes will be filed. ASSIGNOR hereby authorizes, and requests, any practitions	i.
associated with Customer No. 163861 to insert here in parentheses (filed or	n
December 14, 2021 and given Application No. (17/550,239	
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).

Jordan (1760m	12/11/2021
Inventor's Signature	Date Los Angeles, California
Jordan Michael Croom Full Name	Inventor's City and State

PATENT REEL: 058491 FRAME: 0606