

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6794762

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANTONY JOSEPH	03/18/2019
GEOFFREY LOUIS CHI-JOHNSTON	03/15/2019
NIMISH PATIL	03/15/2019
VISHAL SURESH VAINGANKAR	03/15/2019
LAURA ATHENA FREEMAN	03/15/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GM CRUISE HOLDINGS LLC
<b>Street Address:</b>	333 BRANNAN STREET
<b>City:</b>	SAN FRANCISCO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94107
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17364761
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Email:</b>	admin-docketing@medleybehrens.com
<b>Correspondent Name:</b>	MEDLEY, BEHRENS & LEWIS, LLC
<b>Address Line 1:</b>	6100 ROCKSIDE WOODS BOULEVARD, SUITE 440
<b>Address Line 4:</b>	INDEPENDENCE, OHIO 44131
<b>ATTORNEY DOCKET NUMBER:</b>	P100143-US-02CON/CRSP66A
<b>NAME OF SUBMITTER:</b>	MICHAEL J. MEDLEY
<b>SIGNATURE:</b>	/Michael J. Medley/
<b>DATE SIGNED:</b>	07/02/2021
<b>Total Attachments: 5</b>	
source=CRSP-0066A-Assignment#page1.tif	
source=CRSP-0066A-Assignment#page2.tif	

source=CRSP-0066A-Assignment#page3.tif

source=CRSP-0066A-Assignment#page4.tif

source=CRSP-0066A-Assignment#page5.tif

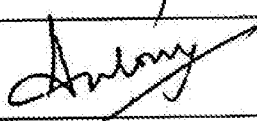
I, Antony Joseph, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IDENTIFYING A ROUTE FOR AN AUTONOMOUS VEHICLE BETWEEN AN ORIGIN AND DESTINATION LOCATION" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 156698 to insert here in parentheses (filed on March 19, 2019 and given Application No. 16/358,206 by the following Office 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).

 <hr/> Inventor's Signature	<u>03   18   2019</u> <hr/> Date
<u>Antony Joseph</u> <hr/> Full name	<u>San Francisco, California</u> <hr/> Inventor's Residence

PATENT ASSIGNMENT

Docket No: P100143-US-01/CRSP-0066

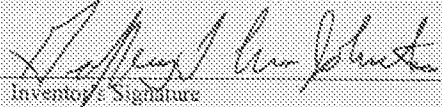
I, Geoffrey Louis Chi-Johnston, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IDENTIFYING A ROUTE FOR AN AUTONOMOUS VEHICLE BETWEEN AN ORIGIN AND DESTINATION LOCATION" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 156698 to insert here in parentheses (filed on March 19, 2019 and given Application No. 16/358,206 by the following Office 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).

 Inventor's Signature	<u>3/15/19</u> Date
<u>Geoffrey Louis Chi-Johnston</u> Full name	<u>San Francisco, California</u> Inventor's Residence

PATENT ASSIGNMENT

Docket No. P100143-US-01/CRSP-0066

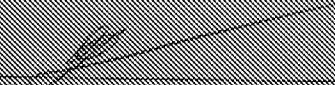
I, Nimish Paul, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IDENTIFYING A ROUTE FOR AN AUTONOMOUS VEHICLE BETWEEN AN ORIGIN AND DESTINATION LOCATION" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 156698 to insert here in parentheses (filed on March 19, 2019 and given Application No. 19/358,206 by the following Office: 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).

	<u>03/19/2019</u>
Inventor's Signature	Date
Nimish Paul	Pleasanton, California
Full name	Inventor's Residence

**PATENT ASSIGNMENT**

Docket No: P100143-US-01/CRSP-0066

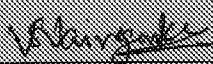
I, Vishal Suresh Vaingankar, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IDENTIFYING A ROUTE FOR AN AUTONOMOUS VEHICLE BETWEEN AN ORIGIN AND DESTINATION LOCATION" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 156698 to insert here in parentheses (filed on March 19, 2019 and given Application No. 16/356,206 by the following Office 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).

	<u>3/15/2019</u>
Inventor's Signature	Date
<u>Vishal Suresh Vaingankar</u>	<u>Kensington, California</u>
Full name	Inventor's Residence

PATENT ASSIGNMENT

Docket No: P100143-US-01/CRSP-0066


I, Laura Athena Freeman, ("ASSIGNOR") am the original inventor or an original joint inventor of the subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "IDENTIFYING A ROUTE FOR AN AUTONOMOUS VEHICLE BETWEEN AN ORIGIN AND DESTINATION LOCATION" ("APPLICATION"), which:

- will be filed. ASSIGNOR hereby authorizes, and requests, any practitioner associated with Customer No. 156698 to insert here in parentheses (filed on March 19, 2019 and given Application No. 16/358,206 by the following Office: 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).

	<u>3 / 15 / 2019</u>
Inventor's Signature	Date
<u>Laura Athena Freeman</u>	<u>San Francisco, California</u>
Full name	Inventor's Residence