PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5964777

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEX J. SMITH	12/30/2019
ALI A. AYOUB	01/01/2020
STEFAN T. HILLIGARDT	01/06/2020

RECEIVING PARTY DATA

Name:	NIO USA, INC.	
Street Address:	3200 NORTH FIRST STREET	
City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95134	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16737695

CORRESPONDENCE DATA

Fax Number: (303)863-0223

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: 303-863-9700

Email: kcokas@sheridanross.com SHERIDAN ROSS P.C. **Correspondent Name:** Address Line 1: 1560 BROADWAY

Address Line 2: **SUITE 1200**

Address Line 4: DENVER, COLORADO 80202

ATTORNEY DOCKET NUMBER:	8322-549 (KRC)
NAME OF SUBMITTER:	DOUGLAS W. SWARTZ
SIGNATURE:	/Douglas W. Swartz/
DATE SIGNED:	02/14/2020

Total Attachments: 4

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PATENT REEL: 051823 FRAME: 0088 505918060

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PATENT REEL: 051823 FRAME: 0089

Atty. Docket No.: 8322-549

Worldwide Assignment

WHEREAS, I/We, Alex J. Smith of 118 Eastridge Circle, Pacifica, CA 94044, Ali A. Ayoub of 3200 Zanker Road, Unit 1471, San Jose, CA 95134, and Stefan T. Hilligardt of 659 Spindrift Way, Half Moon Bay, CA 94019, have invented a certain new and useful invention(s) entitled "AUTONOMOUS VEHICLE EMERGENCY ROUTE GUIDANCE" (hereinafter "Invention") for which an application for Letters Patent of the United States has been prepared and filed on January \$, 2020, receiving Serial No. 16/737,695, and further identified as Attorney File No. 8322-549 (hereinafter "Application"); and

WHEREAS, NIO USA, Inc. ("ASSIGNEE"), a corporation duly registered in the State of California, whose postal address is 3200 North First Street, San Jose, California 95134, desires to acquire the entire right, title, and interest in and to the Invention, the United States, international, and foreign applications filed or to be filed directed to the Invention and any Letters Patents to be granted for the Invention in the United States and in all foreign countries;

NOW, THEREFORE, be it known that for and in consideration of certain good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the Invention for all territories in the world and any improvements and modifications thereto, the Application, all applications claiming benefit of the Application, including, but not limited to, all divisional, continuation, and continuation-in-part applications, and reissue and reexaminations thereof; all Letters Patent, Invention Registrations, Utility Models, Extension and other patent rights, that may be granted thereon in the United States or any other country; together with the right to claim priority under the International Convention in all member countries (collectively "Related Applications"); and all causes of action arising therefrom including the right to enforce and sue for past, present, and future infringements and to collect all proceeds thereof (including, but not limited to, all license royalties). I/We authorize and request the United States Patent and Trademark Office or foreign equivalent to issue all Letters Patent or similar legal protection for the Invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

For, and in consideration of, the certain good and valuable consideration, I/we do further sell, assign, transfer, and set over to ASSIGNEE, the right to claim priority to the Application(s) for all Related Applications, including without limitation all applications pursuant to the Patent Cooperation Treaty and national and regional applications filed therefrom, all applications for the territory of the United States of America, and all continuation, divisional, continuation-in-part and reissue applications thereof, and all patent applications in foreign countries and the right to be granted a patent for any of the foregoing applications;

AND I/We covenant and agree that I/We have the full right to convey the entire right, title, and interest herein assigned and that I/We have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND I/We further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I/We will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the Invention(s) in the United States and in all foreign countries, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns;

AND I/We further hereby authorize ASSIGNEE, or its attorneys or agents, to insert the correct Application Number(s) and Filing Date(s) into this Assignment, if none is/are indicated on that date of my/our execution of this agreement.

Page 1 of 2

This Assignment may be executed in counterparts, and said counterparts being deemed as original Assignment documents collectively.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

12/30/2019 Date:	By: Olex & mit
	Alex J. Smith
Date:	Ву;
	Ali A. Ayoub
Date:	· By:
	Stefan T. Hilligardt
ASSIGNEE:	NIO-USA, INC.
	$-1/2 \sim$
Date: 01-16-2220	by/hdu)-
	Signature
	Paula Kutansky-Brown
	Printed Name
en e	General Counsel
	Title

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This Assignment may be executed in counterparts, and said counterparts being deemed as original Assignment documents collectively.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date:	By: Alex J. Smith
Onte: 1-1-2020	iby: All A. Aybub
Date:	By: Stefan T. Hilligardt
ASSIGNEE:	MOUSA)NC
Date: 01. 16.2020	Signature Paula Kutansky-Brown Printed Name
	General Counsel

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Title

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IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

By: Alex J. Smith
By: Ali A. Ayoub
By: Stefan T. Hilligardt
NIPUSA, INC.
Signature Paula Kutansky-Brown Printed Name

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Title

General Counsel