

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5986487

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARCELLO CANOVA	06/14/2019
YUXING LIU	06/14/2019
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	COLUMBUS
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	43201
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16441807
<b>CORRESPONDENCE DATA</b>	
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<b>Phone:</b>	248-380-9300
<b>Email:</b>	usdocketing@quinnlawgroup.com
<b>Correspondent Name:</b>	QUINN IP LAW
<b>Address Line 1:</b>	21500 HAGGERTY ROAD, STE. 300
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<b>ATTORNEY DOCKET NUMBER:</b>	P048137-US-NP
<b>NAME OF SUBMITTER:</b>	CAROL A. PIERSON
<b>SIGNATURE:</b>	/Carol A. Pierson/
<b>DATE SIGNED:</b>	02/27/2020
<b>Total Attachments: 3</b>	
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## ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned, Marcello Canova and Yuxing Liu, (hereinafter "Assignors") hereby sell, assign and transfer to Ohio State Innovation Foundation, a non-profit corporation, with offices located at 1524 North High Street, Columbus, Ohio 43201 (hereinafter "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest, in and to any and all inventions which are disclosed in:

U.S. Patent Application

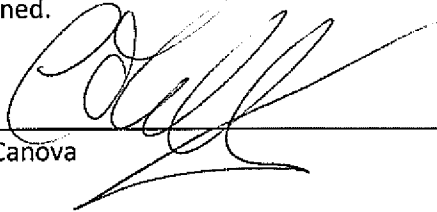
Titled: AI-ENHANCED NONLINEAR MODEL PREDICTIVE CONTROL OF POWER SPLIT AND THERMAL MANAGEMENT OF VEHICLE POWERTRAINS

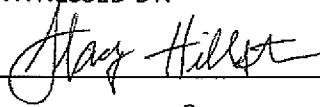
SUCH ASSIGNMENT shall be in and to each said application and extensions thereof including all rights of priority arising therefrom and in and to all non-provisional, divisional, continuing applications, substitute, renewal, reissue applications, all provisional applications directed to the same invention which have been or will be filed and all other applications for Letters Patent which have been or shall be filed in the United States and all countries of the world and all international applications on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all countries of the world on said invention. We hereby authorize and request the Commissioner of Patents or other proper Officer to issue such Letters Patent to the above Assignee, its successors and/or assigns.

ASSIGNORS also agree that said Assignee may apply for, receive and maintain Letters Patent for said inventions in its own name; and that, when requested, without charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, Assignors will carry out in good faith the intent and purpose of this assignment and that the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said inventions for the U.S., all other countries of the world and under all treaties; and will execute all rightful oaths, supplemental oaths, preliminary statements, assignments, powers of attorney, assurance of title, declarations and other papers for the U.S., all other countries and under all treaties, and will communicate to said Assignee, its successors, assigns and representatives, all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions, and for complying with applicable law and for vesting title to said inventions and all applications for patents and all patents on said inventions in said Assignee, its successors, assigns and legal representatives for the U.S., all other countries and under all related treaties.

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of said Assignee to apply for, defend or enforce a patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority,

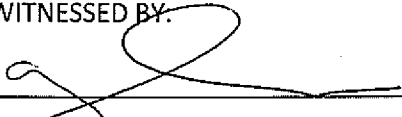
ASSIGNORS FURTHER covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 6/14/2019 By:   
Marcello Canova

WITNESSED BY:  


Printed Name Stacy Hillstrom

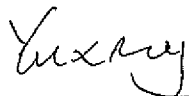
Date: 6/14/19

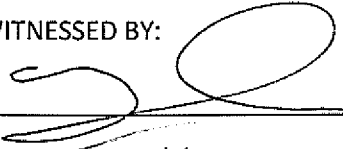
WITNESSED BY:  


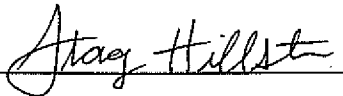
Printed Name Alayyah Nurredin

Date: 6/14/2019

ASSIGNORS FURTHER covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 6/14/2019 By:   
Yuxing Liu

WITNESSED BY:  
  
Printed Name Aleezah Nurredin  
Date: 6/14/2019

WITNESSED BY:  
  
Printed Name Stacy Hillstrom  
Date: 6/14/19