505611313 08/07/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5658115

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRIS PAUL GLUGLA	08/01/2019
GARLAN J. HUBERTS	08/05/2019
QIUPING QU	08/05/2019

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	FAIRLANE PLAZA SOUTH, SUITE 800
Internal Address:	330 TOWN CENTER DRIVE
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16534739

CORRESPONDENCE DATA

Fax Number: (971)271-8021

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: 971-271-8020 Email: Tapia@mccrus.com MCCOY RUSSELL LLP **Correspondent Name:**

Address Line 1: 806 S.W. BROADWAY, SUITE 600 Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER: 84152264	
NAME OF SUBMITTER:	ASHLEY R. TAPIA
SIGNATURE:	/Ashley R. Tapia/
DATE SIGNED:	08/07/2019

Total Attachments: 3

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> **PATENT** REEL: 049993 FRAME: 0380 505611313

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ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	METHOD AND SYSTEM FOR ENGINE CONTROL	
This declaration is directed	ed to:	
	sached application, or States application or PCT international application number filed on, (I hereby authorize the insertion of the application filing date and ten they become known.)	
The above-identified app	lication was made or authorized to be made by me.	
I hereby state that I have including the claims.	e reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.	
continuation-in-part app	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for lications, material information which became available between the filing date of the prior nal or PCT international filing date of the continuation-in-part application.	
FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dis name or names, or in my insert the serial/applicat 16/534,739 ASSIGNEE, its success applications, in and to th including all application reexaminations and reissi		
And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein sold, assigned and set over.		
And I hereby represent ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years or both.		
LEGAL NAME OF INV		
Inventor: Chris Pau Signature:	I Glugla Date: 07/7/1	
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.	

PATENT REEL: 049993 FRAME: 0381

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Attorney Docket Number	84152264

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

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United	ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and en they become known.)
	lication was made or authorized to be made by me.
I hereby state that I hav including the claims.	e reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part appl	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ications, material information which became available between the filing date of the prior all or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHY of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dis name or names, or in my insert the serial/applicat 16/534,739 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu	***
including applications fo organizations, and to per	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, it Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ecure thereto the rights herein sold, assigned and set over.
And I hereby represent ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.
LEGAL NAME OF INV	
Inventor: Garlan J.	Huberts Date: 3/5/2019
Signature:	4-9-4 -40
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.

PATENT REEL: 049993 FRAME: 0382

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Attorney Docket Number	84152264

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

little of Invention	METHOD AND SYSTEM FOR ENGINE CONTROL	
This declaration is directed to:		
The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and number into this form when they become known.)		
The above-identified application	n was made or authorized to be made by me.	
I hereby state that I have revi	ewed and understand the contents of the specification in the above-identified application,	
I believe that I am the original i	nventor or an original joint inventor of a claimed invention in the application.	
I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.		
FORD GLOBAL TECHNOLO of the State of Delaware, havi hereinafter referred to as the A interest, domestic and foreign, of the ASSIGNEE, its successofor the inventions and discover name or names, or in my name insert the serial/application n 16/534,739 ASSIGNEE, its successors, a applications, in and to the invenicluding all applications clair reexaminations and reissue applications of the control of the contr	greement heretofore made or by contractual obligation, I do sell, assign and set over unto GIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws and its principal place of business at Dearborn, County of Wayne, and State of Michigan, ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and in and to the inventions and discoveries in the above-identified invention including the right ors, assigns or other legal representatives to make applications and to receive Letters Patent ies in any and all countries, entities and intergovernmental organizations, in its or their own at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to umber and filing date of the application to receive Letters Patent herein: Serial No., Filing Date August 7, 2019, and I hereby sell, assign and set over to the assigns or other legal representatives, all rights of priority, including any provisional notions and discoveries in any and all countries, entities and intergovernmental organizations iming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, lications. The provisional and all kinds and in any and all countries, entities and intergovernmental any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives thereto the rights herein sold, assigned and set over.	
And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.		
I hereby acknowledge that any or imprisonment of not more th	willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine an five (5) years or both.	
LEGAL NAME OF INVENTO	Q/+/1010	
Inventor: Oiuping Qu	Date: 0 (5 / 00/9	
Signature:		
Note: An Application Data Sheet Use an additional declaration form	(PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. for each additional inventor.	

PATENT REEL: 049993 FRAME: 0383

RECORDED: 08/07/2019