504595085 10/16/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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DUANE M. GRIDER	10/10/2017

RECEIVING PARTY DATA

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State/Country:	MICHIGAN
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15783736

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ATTORNEY DOCKET NUMBER: 83856612

NAME OF SUBMITTER: BENJAMIN C. STASA

SIGNATURE: /Benjamin C. Stasa/

DATE SIGNED: 10/16/2017

Total Attachments: 2

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PATENT 504595085 REEL: 043871 FRAME: 0446

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Attorney Docket Number	83856612

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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This declaration is directed	d to:		
	ached application, or States application or PCT internation filed on		of the application filing date and
The above-identified appli	ication was made or authorized to be	made by me.	
I hereby state that I have including the claims.	reviewed and understand the conte	ents of the specification in	the above-identified application,
I believe that I am the orig	ginal inventor or an original joint inve	ntor of a claimed inventior	in the application.
continuation-in-part appli	disclose information which is materications, material information which all or PCT international filing date of	h became available betw	een the filing date of the prior
Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial No. 15/783736			
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 and	d warrant that I have not granted any	rights inconsistent with the	erights granted herein.
or imprisonment of not me	t any willful false statement made in ore than five (5) years or both.	this declaration is punisha	able under 18 U.S.C. 1001 by fine
LEGAL NAME OF INVE		Oblic a	10/10/2017
Inventor: <u>Lewei Qia</u>	<u>n</u>	Date:	10/10/12/
Signature:		No.	
Note: An Application Pota	Sheet (PTO/SB/14 or equivalent), include	line naming the entire invent	ive cutity, must accompany this form
	form for each additional inventor.		and a resemblish comments and appropriate formula for the second of the

PATENT REEL: 043871 FRAME: 0447

Attorney Docket Number	83856612

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	ELECTRIFIED VEHICLE DRIVETRAIN MONITORING SYSTEM
This declaration is direct	ed to:
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.)
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 hal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECH! of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its surfor the inventions and disname or names, or in my insert the serial/applicat 15/783736 ASSIGNEE, its success applications, in and to the	nent agreement heretofore made or by contractual obligation, 1 do sell, assign and set over unto NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and reign, in and to the inventions and discoveries in the above-identified invention including the right occessors, assigns or other legal representatives to make applications and to receive Letters Patent acoveries in any and all countries, entities and intergovernmental organizations, in its or their own name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ion number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
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	d warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not m	of any willful false statement made in this declaration is punishable under 18 U.S.C. 1601 by fine one than five (5) years or both.
LEGAL NAME OF INVI	/ / / / / / / / / / / / / / / / / / /
Signature:	eft. Sylv
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 043871 FRAME: 0448

RECORDED: 10/16/2017