PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5037628

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIAOGANG ZHANG	05/08/2016

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:	16028056

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: roberts@mccrus.com

Correspondent Name: MCCOY RUSSELL LLP

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

ATTORNEY DOCKET NUMBER:	84055579	
NAME OF SUBMITTER:	LAURA ROBERTS	
SIGNATURE:	/Laura Roberts/	
DATE SIGNED:	07/05/2018	

Total Attachments: 1

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PATENT 504990881 REEL: 046273 FRAME: 0296

Please direct all correspondence to customer number: 36865

Attorney Docket Number 83664895				
	Attorney Docket No	umber	83664895	

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	METHODS AND SYSTEMS F	OR CONTROLLING AIR FLOW PATHS
	IN	AN ENGINE
This declaration is direct	ted to:	
The United	ttached application, or d States application or PCT international a	pplication number
number into this form w	hen they become known.)	athorize the insertion of the application filing date and
The above-identified app	plication was made or authorized to be ma	de by me.
I hereby state that I have including the claims.	e reviewed and understand the contents of	of the specification in the above-identified application,
I believe that I am the or	riginal inventor or an original joint invento	or of a claimed invention in the application.
continuation-in-part app	o disclose information which is material to olications, material information which be onal or PCT international filing date of the	patentability as defined in 37 C.F.R. 1.56, including for ecame available between the filing date of the prior continuation-in-part application.
FORD GLOBAL TECH laws of the State of Dela hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its st for the inventions and di name or names, or in my insert the serial/applica 15/162, 443 ASSIGNEE, its succes applications, in and to th including all application reexaminations and reiss	HNOLOGIES, LLC, a Ford Motor Comparation of the ASSIGNEE, its successors, assigns the ASSIGNEE, its successors, assigns or eign, in and to the inventions and discovering uccessors, assigns or other legal representations in any and all countries, entities y name, at its or their election (and I hereby ation number and filing date of the approper of the presentation of the presentation in the inventions and discoveries in any and all one claiming benefit of the filing date he sue applications. myself, my heirs, successors, assigns or o	ntractual obligation, I do sell, assign and set over unto any subsidiary, organized and existing by virtue of the sat Dearborn, County of Wayne, and State of Michigan, or other legal representatives, the entire right, title and ries in the above-identified invention including the right atives to make applications and to receive Letters Patent and intergovernmental organizations, in its or their own y authorize the ASSIGNEE or ASSIGNEE's attorney to dication to receive Letters Patent herein: Serial No.
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And I hereby represent and 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 IN		som all an element of the
	ig Zhang	Date: <u>5/8/</u> 20/6
Signature:		
Note: An Application Dat	ta Sheet (PTO/SB/14 or equivalent), including	naming the entire inventive entity, must accompany this form.

PATENT REEL: 046273 FRAME: 0297

RECORDED: 07/05/2018