505633644 08/21/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5680450

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY D	ΑΤΑ					
			Name		Execution Date	
JASON RONALD SMITH					11/10/2015	
MICHAEL BRENDAN HOPKA					11/10/2015	
DEVESH UPADHYAY					11/11/2015	
RECEIVING PARTY DA						
Name:		GLOE	BAL TECHNOLOGIES, LLC			
Street Address:		FAIRLANE PLAZA SOUTH, SUITE 800				
Internal Address:	_	330 TOWN CENTER DRIVE				
City:	DEARE	DEARBORN				
State/Country:	місні	MICHIGAN				
Postal Code:	48126					
PROPERTY NUMBERS	Total: 1		Number			
Application Number:		1654				
CORRESPONDENCE D		(971)	271-8021			
	provided	l; if th	e-mail address first; if that is uns nat is unsuccessful, it will be sen 271-8020			
Email:		•	@mccrus.com	@mccrus.com		
			OY RUSSELL LLP			
Address Line 1: Address Line 4:			.W. BROADWAY, SUITE 600 LAND, OREGON 97205			
ATTORNEY DOCKET NUMBER:			84181924			
NAME OF SUBMITTER:			ASHLEY R. TAPIA			
SIGNATURE:			/Ashley R. Tapia/			
DATE SIGNED:			08/21/2019			
Total Attachments: 3 source=Executed Assign source=Executed Assign source=Executed Assign	ment 841	81924	4#page2.tif			

Please direct all correspondence to customer number: 36865

Attorney Docket Number 83590864

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 Inven	ation SYSTEMS AND METHOD FOR EXHAUST WARM-UP STRATEGY					
This declaration	1 is directed to:					
Ø	The attached application, or United States application or PCT international application number filed on					
The above-ident	tified application was made or authorized to be made by me.					
I hereby state the including the cla	that I have reviewed and understand the contents of the specification in the above-identified application aims.					
I believe that I a	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.					
continuation-in-	he duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including fo -part applications, material information which became available between the filing date of the prior the national or PCT international filing date of the continuation-in-part application.					
FORD GLOBA of the State of hereinafter refer interest, domesti of the ASSIGNI for the inventior name or names, insert the seria <u>14/938</u> , ASSIGNEE, its applications, in including all ap reexaminations in And I hereby ag	employment agreement heretofore made or by contractual obligation, I do sell, assign and set over units d. TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virue of the law Delaware, having its principal place of business at Dearborn. County of Wayne, and State of Michigan arred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and tic and foreign, in and to the inventions and discoveries in the above-identified invention including the righ EE, its successors, assigns or other legal representatives to make applications and to receive Letters Paten ins and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own of in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to al/application number and filing date of the application to receive Letters Patent herein. Serial No , 625 , Filing Date November 11, 2015), and I hereby sell, assign and set over to the s successors, assigns or other legal representatives, all rights of priority, including any provisional and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in plication and to the inventions and discoveries in any and all countries, entities and intergovernmental organization and reissue applications.					
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 warrant that I have not granted any rights inconsistent with the rights granted herein.						
or imprisonment	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by find it of not more than five (5) years or both.					
	OF INVENTOR Jason Ronald Smith Date: 1/ 10 - 2015					
Signature:	* FRE PT B FILLER					
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.						
	adon bala succi (1 10,50,14 of equivalent), meaning haming the entire investive entity, must accompany tins term					

PATENT REEL: 050123 FRAME: 0328

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The above-identif	ied application was made or authorized to be made by me.
I hereby state tha including the clair	t I have reviewed and understand the contents of the specification in the above-identified application, ns,
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-pa	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for art applications, material information which became available between the filing date of the prior enational or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of Do hereinafter referre interest, domestic of the ASSIGNEE for the inventions name or names, or insert the serial/a 14/938, (ASSIGNEE, its e applications, in an including all app	mployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws elaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, d to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and and foreign, in and to the inventions and discoveries in the above-identified invention including the right is successors, assigns or other legal representatives to make applications and to receive Letters Patent and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own r in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No. 625 , Filing Date November 11, 2015), and I hereby sell, assign and set over to the successors, assigns or other legal representatives, all rights of priority, including any provisional d to the inventions and discoveries in any and all countries, entities and intergovernmental organizations, divisionals, d reissue applications.
including applications, and	te for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ions for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ry to secure thereto the rights herein sold, assigned and set over.
And I hereby repre	sent and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment o	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine f not more than five (5) years or both.
LEGAL NAME O Inventor: <u>Min</u>	F INVENTOR chael Brendan Hopka Date: 10-Nov-2015
Signature:	inn, Alloghi
	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. claration form for each additional inventor.

PATENT REEL: 050123 FRAME: 0329

Attorney Docket Number 83590864

PATENT REEL: 050123 FRAME: 0330

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The above-identif	ed application was made or authorized to be made by me.				
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I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.				
continuation-in-pa	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including t applications, material information which became available between the filing date of the pre- national or PCT international filing date of the continuation-in-part application.				
FORD GLOBAL of the State of D hereinafter referre interest, domestic of the ASSIGNEI for the inventions name or names, o insert the serial/ $\frac{14/938, 6}{\text{ASSIGNEE}}$, its applications, in an including all app	aployment agreement heretofore made or by contractual obligation, I do sell, assign and set over un FECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the la laware, having its principal place of business at Dearborn, County of Wayne, and State of Michigi d to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title a and foreign, in and to the inventions and discoveries in the above-identified invention including the right, its successors, assigns or other legal representatives to make applications and to receive Letters Pate and discoveries in any and all countries, entities and intergovernmental organizations, in its or their or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney pplication number and filing date of the application to receive Letters Patent herein: Serial N 25				
including applicat organizations, and	e for myself, my heirs, successors, assigns or other legal representatives to execute any and all pape ons for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmen to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representation ry to secure thereto the rights herein sold, assigned and set over.				
And I hereby repr	sent and warrant that I have not granted any rights inconsistent with the rights granted herein.				
or imprisonment of	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by f f not more than five (5) years or both.				
LEGAL NAME (Inventor: De	FINVENTOR vesh Upadhyay Date: 11/11/15				
Signature:	Wordhyny				
	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this for				
Use an additional de	claration form for each additional inventor.				

RECORDED: 08/21/2019