PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2909488

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THEODORE BEYER	06/16/2014
JODY MICHAEL SLIKE	06/16/2014
CHARLES JOSEPH PATANIS	06/16/2014
WILLIAM MICHAEL SANDERSON	06/16/2014
MATTHEW LEONARD HINTZEN	06/16/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14311756

CORRESPONDENCE DATA

Fax Number: (313)322-7162

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: 248-358-4400

Email: apage@brookskushman.com **BROOKS KUSHMAN P.C./FGTL Correspondent Name:**

1000 TOWN CENTER Address Line 1:

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER:	83421828
NAME OF SUBMITTER:	TIFFANY A. FIDLER
SIGNATURE:	/Tiffany A. Fidler/
DATE SIGNED:	06/23/2014

Total Attachments: 5

REEL: 033157 FRAME: 0927 502862891

PATENT



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Attorney Docket Number	83421828
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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	BORE BRIDGE AND CYLINDER COOLING	
This declaration is direct	led to:	
X The a	tached application, or I States application or PCT international application numberfiled on	
The above-identified app	olication was made or authorized to be made by me.	
I hereby state that I ha including the claims.	ve reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the or	iginal inventor or an original joint inventor of a claimed invention in the application.	
pontinuation-in-part and	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for plications, material information which became available between the filing date of the prior and or PCT international filing date of the continuation-in-part application.	
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for the ASSIGNEE, its sfor the inventions and dname or names, or in minsert the serial/applical 14/311,756 ASSIGNEE, its successible applications, in and to the including all applications and reis		
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	and warrant that I have not granted any rights inconsistent with the rights granted herein.	
I hereby acknowledge to	hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years or both.	
LEGAL NAME OF IN	VENTOR 2 2014	
Inventor: Theodo	Bever Date: 16 June Co.	
Signature	Let Mr	
1	the form	
Note: An Application Da	its Sheet (PAO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form,	

Please direct all correspondence to: 28395

Attorney Docket Number	83421828

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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including the clair	ms.	e reviewed and understand the contents of the specification in the above-identified application,
I believe that I am	the or	ginal inventor or an original joint inventor of a claimed invention in the application.
in- in me	art ann	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 and or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of D hereinafter referr interest, domestic of the ASSIGNE for the inventions name or names, c insert the serial/ 14/311,756 ASSIGNEE, its applications, in a including all appreexaminations a	TECH Delawar ed to a c and fo E, its s s and d or in m /applica success and to tl plicatio nd reiss	
including applica	ations f	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives secure thereto the rights herein sold, assigned and set over.
		and warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknow	ledge t	hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years or both.
LEGAL NAME	OF IN	VENTOR DATE LA LA COLLA
Inventor:Jo	ody Mi	chael Slike Date.
Signature:	900	ly m Slike
3	()	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Note: An Applica	ation Da declarar	ta Sheet (PTO/SB/14 or equivalent), including nathing the chart investment of the second additional inventor.

Attorney Docket Number 8	3421828
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I believe that I am	the ori	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-na	art ann	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 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/14/311,756 ASSIGNEE, its applications, in an including all appreexaminations ar	TECHI elaware ed to as and foi elaware and die r in my applicat success and to th olication and reissi	
including applica	tions fo	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, in Letters Parent 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 repr	esent a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowl	edge th	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine nore than five (5) years or both.
LEGAL NAME	OF INV	ENTOR 6/11/2014
Inventor: Cl	narles J	oseph Patanis Date:Date:
Signature:	(ho	Mes & Paturo
		in the state of the same state and the same state of the same stat
Note: An Applicat	rion Data	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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Attorney Docket Number	83421828	-
Attorney Docker Number	03721020	-

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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I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims.				
4		ginal inventor 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 of the State of D hereinafter referr interest, domestic of the ASSIGNE for the inventions name or names, o insert the serials 14/311,756 ASSIGNEE, its	TECH Delawar ed to a c and fo E, its s s and d or in m /applica succes and to ti plicatio	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws e, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is 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 accessors, assigns or other legal representatives to make applications and to receive Letters Patent accessors in any and all countries, entities and intergovernmental organizations, in its or their own yname, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————		
including applica	ations f	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives 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.				
I hereby acknow	ledge t	hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years or both.		
LEGAL NAME	OF IN	VENTOR or by land		
Inventor: V	<u>Villiam</u>	Michael Sanderson Date: Ob/16/2017		
Signature:				
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.				
Note: An Applica	ation Da declarat	ta Sheet (PTO/SB/14 or equivalent), including training the chart involutive activities and inventor.		

Please direct all correspondence to: 28395

Attorney Docket Number	83471878
Attorney Docket Number	UJTAIUAU

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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X The attached application, or United States application or PCT international application number filed on				
The above-identified application was made or authorized to be made by me.				
I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims.				
I believe that I am the original inventor 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.				
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, fittle 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. 14/311,756 Filing Date 06/23/2014 , and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.				
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 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 INVENTOR LEGAL NAME OF INVENTOR				
Inventor Mathew Leonard Hintzen Date:				
Mid I Hallo				
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.				
Use an additional declaration form for each additional inventor.				