06/16/2017 504417871

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4464571

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANGEL FERNANDO PORRAS	06/06/2017
TIMOTHY NOAH BLATCHLEY	06/02/2017
BRETT ALLEN DUNN	06/15/2017
ANTHONY DAVID TSAKIRIS	06/02/2017
JAMES GEORGE GEBBIE	06/02/2017

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:	15625438

CORRESPONDENCE DATA

Fax Number: (248)358-3351

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: docketing@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:	83730926
NAME OF SUBMITTER:	SCOTT E. LLOYD
SIGNATURE:	/Scott E. Lloyd/
DATE SIGNED:	06/16/2017

Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif

Attorney Docket Number	83730926

Title of Invention	METHOD AN	ND SYSTER	M TO	MANAGE	VEHICLE	THERMAL
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number into this form wh	ien they become know	wn.)	,			3
The above-identified app	lication was made or	authorized to be r	nade by m	e,		
I hereby state that I hav including the claims.	e reviewed and und	erstand the conte	nts of the	specification in	the above-identi	fied application,
I believe that I am the ori	ginal inventor or an o	original joint inver	ntor of a cl	aimed invention	in the application	ı .
I am aware of the duty to continuation-in-part app application and the nation	lications, material in	nformation which	became	available betwe	en the filing da	
Pursuant to my employn FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and disname or names, or in my insert the serial/applicat 15/625,438 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissuant in the serial including all application reexaminations and reissuant in the serial including all application reexaminations and reissuant in the serial including all application reexaminations and reissuant in the serial including all application reexaminations and reissuant in the serial including all application reexaminations and reissuant in the serial including all application reexaminations and reissuant in the serial including all application reexaminations and reissuant in the serial including all application reexaminations and reissuant in the serial including all applications are serial including all applications and reissuant in the serial including all applications and reissuant including all applications are serial including all applications are serial including all applications and reissuant including all applications are serial including all appl	NOLOGIES, LLC, a c, having its principa s the ASSIGNEE, its reign, in and to the ir accessors, assigns or scoveries in any and r name, at its or their tion number and fil, Filing Date sors, assigns or oth e inventions and disc s claiming benefit	Ford Motor Compal place of busines successors, assignmentions and discother legal represall countries, entirelection (and I he June 16, 201 er legal represent coveries in any angles.	cany subsides at Dear gas or other coveries in centatives to ties and impreby authorapplication 17 attatives, all count deal count	diary, organized a born, County of per legal represent the above-idention make application to receive Legal and I hereby irights of pricines, entities and	and existing by v Wayne, and Sta Itatives, the entire ified invention inc ions and to receiv organizations, in NEE or ASSIGNI etters Patent her y sell, assign and ority, including a	irtue of the laws ate of Michigan, the right, title and cluding the right of Letters Patent its or their own EE's attorney to rein: Serial No. I set over to the any provisional tal organizations
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And I hereby represent ar	nd warrant that I have	not granted any r	ights incor	nsistent with the	rights granted her	ein.
I hereby acknowledge the or imprisonment of not m	ore than five (5) year		this declar	ation is punishab	ole under 18 U.S.	.C. 1001 by fine
LEGAL NAME OF INVI				Date:	06/06/20	17
Signature: Angel Fer	pando Porras	The state of	ЧИНИВНА А МАНИВЕННИЯ	Late.	vejvej oo	
orginature.					***************************************	
Note: An Application Data Use an additional declaratio			ng naming	the entire inventiv	e entity, must acco	mpany this form,

Attorney Docket Number	

Title of Invention	METHOD AND CONDITIONS	SYSTEM	TO	MANAGE	VEHICLE	THERMAL
This declaration is direct	ed to:	<u>Innanananayiran karakarakarabi</u>	*************	***************************************	######################################	ANNEAN MANAGE AND ANNEAN AND ANNEAN AND ANNEAN AND ANNEAN AND ANNEAN AND ANNEAN AND AND AND AND AND AND AND AND AND A
	tached application, or I States application or PCT filed on				of the application	n filing date and
number into this form wh	nen they become known.)				1,	J
The above-identified app	lication was made or auth	orized to be mad	de by me	₹.		
I hereby state that I have including the claims.	ve reviewed and understan	nd the contents	of the	specification in	the above-identi	fied application,
I believe that I am the or	iginal inventor or an origir	nal joint invento	r of a cla	aimed invention	in the application	1.
continuation-in-part app	o disclose information whi dications, material inform nal or PCT international fi	nation which b	pecame	available betwe	en the filing de	
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its state for the inventions and distance or names, or in my insert the serial/applications. ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss. And I hereby agree for including applications for the state of	myself, my heirs, success or Letters Patent of any a	Motor Companace of business ressors, assigns tions and discover legal representation (and I here date of the ap June 16, 2017 legal representatives in any and a he filing date fors, assigns or and all kinds all kinds and all k	ny subsice at Dear's or other leg to the statives to send into the send in any	diary, organized aborn, County of or legal represent the above-idention make application to receive Lower and I hereby and I hereby and continuations, county and all countries and all countries and all countries.	and existing by varieties, the entire fied invention in ons and to receivariant or ASSIGN etters Patent he y sell, assign and intergovernment ontinuations-in-part to execute any set to execute any set of execute and in the	wirtue of the laws ate of Michigan, re right, title and reluding the right we Letters Patent its or their own IEE's attorney to rein: Serial No. d set over to the any provisional related organizations part, divisionals, y and all papers, attergovernmental
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LEGAL NAME OF INV	'ENTOR Noah-Blatchley			Date:	61217	
Signature:		Company of the Compan				
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	a Sheet (PTO/SB/14 or equi on form for each additional in		naming	the entire inventiv	e entity, must acc	ompany this form.

Attorney Docket Number	83730926

Title of Invention	CONDITIONS
This declaration is direct	***************************************
X The at	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.	re reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the ori	iginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part app	o 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 TECH of the State of Delaward hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its si for the inventions and di name or names, or in my insert the serial/applica 15/625,438 ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss And I hereby agree for	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, as 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own aname, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to tion number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
organizations, and to per may deem necessary to s	rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ecure thereto the rights herein sold, assigned and set over.
	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge the or imprisonment of not a	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 Inventor: Brett Alle	= 1 1/\ 1°) \ 1°
Signature:	5 Day
Note: An Application Dat Use an additional declaration	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.

Attorney Docket Number	83730926

Title of Invention	METHOD AND SYSTEM TO MANAGE VEHICLE THE CONDITIONS	IERMAL					
This declaration is directed to:							
X The attached application, or United States application or PCT international application number filed on							
number into this form w	when they become known.)						
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 or	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, 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. 15/625,438 , Filing Date							
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 INV	IVENTOR 7, 62 20	/7					
	A CR CR	<u>' </u>					
Signature: Anthony David (Sakih's							
Note: An Application Da	Verta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompa	my this form.					
	tion form for each additional inventor.	7					

Please direct all correspondence to: 28395

Attorney Docket Number 83730926		
THEOLOGY ESCONET CHINESE	Attorney Docket Number	83730926

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	TO	MANAGE	VEHICLE	THERMAL
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This declaration is directed	ed to:					
X The attached application, or United States application or PCT international application number filed on						
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The above-identified app	lication was made or auti	norized to be mad	de by me	2,		
I hereby state that I have including the claims.	e reviewed and understa	and the contents	of the	specification in t	he above-identi	fied application,
I believe that I am the ori	ginal inventor or an origi	inal joint invento	r of a cla	aimed invention i	n 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, 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. 15/625,438 , Filing Date June 16, 2017), 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 INY	ÉNTOR		***************************************		1/1/10	that the same of t
Inventor: <u>James Ge</u>	orge Gebbie	/-//-		Date: _	Sofd/17	
Signature: Jones Loss Selvas						
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.						

PATENT REEL: 042735 FRAME: 0569

RECORDED: 06/16/2017