505760539 11/06/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5807354

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS RAYMOND MARTIN	10/22/2019
JOHN ERIC ROLLINGER	10/22/2019
JULIA HELEN BUCKLAND SEEDS	10/25/2019
JOSEPH LYLE THOMAS	10/23/2019
JOSHUA SCHUMAKER	10/28/2019
JOHN ERIK MIKAEL HELLSTROM	10/23/2019
ADAM J. RICHARDS	10/23/2019

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:	16675815

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.

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 971-271-8020
Email: eale@mccrus.com
Correspondent Name: MCCOY RUSSELL LLP

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

ATTORNEY DOCKET NUMBER:	84214686
NAME OF SUBMITTER:	OCEAN EALE
SIGNATURE:	/Ocean Eale/

PATENT 505760539 REEL: 050933 FRAME: 0706

DATE SIGNED:	11/06/2019
Total Attachments: 7	
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source=Assignment 84214686#page6.ti	f
source=Assignment 84214686#page7.ti	f

Attorney Docket Number	84214686	

Title of Invention	SYSTEM AND METHOD FOR REDUCING ENGINE TEMPERATURE
This declaration is direct	ed to:
United	tached application, or I States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and nen 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.	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.
continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for discations, material information which became available between the filing date of the prior nal 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 fo of the ASSIGNEE, its si for the inventions and di name or names, or in my insert the serial/applica 16/675,815 ASSIGNEE, its succes applications, in and to the including all application reexaminations and reiss And I hereby agree for	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers,
including applications for organizations, and to per	or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental aform 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 represent a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
	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
Inventor: Douglas	Raymond Martin Date: 18/22/30/9
Signature:	de Q. Males
	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	84214686	

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FORD GLOBAL TECHI of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and diname or names, or in my insert the serial/applicat 16/675,815 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu		
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	nd warrant that I have not granted any rights inconsistent with the rights granted herein.	
or imprisonment of not m	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: John Eric	Rollinger Date: Value Va	
Signature:	n-Hollinger	
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.	

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including applications f organizations, and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental arform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives secure thereto the rights herein sold, assigned and set over.
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I hereby acknowledge t or imprisonment of not	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 - +A/2~/+C
Inventor: <u>Julia He</u>	len Buckland Seeds Date: 19723 // 9
Signature:	1 113 Jude
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, ion form for each additional inventor.

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Attorney Docket Number	84214686	

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FORD GLOBAL TECHT of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffer the inventions and diname or names, or in my insert the serial/applications, its success applications, in and to the	nent 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own mame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the interpretation of the application to receive Letters Patent herein: Serial No. —, Filing Date November 6, 2019 —), and I hereby sell, assign and set over to the sors, assigns or other legal representatives, all rights of priority, including any provisional e inventions and discoveries in any and all countries, entities and intergovernmental organizations as claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, are applications.
including applications for organizations, and to per	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 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 represent a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not n	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 //O = 22 2 m / C
Inventor: Joseph Ly	de Thomas Date: 10-23-2019
Signature:	
ivote: An Application Data Use an additional declaration	a Sheet (PTO/SB/t4 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.

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Title of Invention	SYSTEM AND METHOD FO	OR REDUCING ENGL	NE TEMPERATURE
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- Unite	attached application, or ed States application or PCT internacional filed on (I hereby when they because known.)	application number authorize the insertion of t	he application filing data and
The above-identified at	oplication was made or authorized to be m	ade by me	
t hereby state that I be not adding the claims.	ave reviewed and understand the conten	is of the specification in the	above-identified application.
I believe that I am the o	original inventor or an original joint inven	or of a claimed invention in t	he application
continuation-in-mat. 20	to disclose information which is material phications, material information which could be PCT international filing date at the	pecame available perween	the mine our or or how !
PORD GLOBAL TECT of the State of Delawa bereinafter referred to interest, domestic and for the ASSIGNEE, its for the inventions and chame or names, or in insert the serial applicable of Technology (Technology). ASSIGNEE, its successmitications, in and to the control of the State of Technology.	ssors, assigns or other legal represent he inventions and discoveries in any and ans claiming benefit of the filing date	any subsidiary, organized and s at Dearborn, County of Wans or other legal representate overies in the above-identifies and intergovernmental or reby authorize the ASSIGNI application to receive Letter (2019), and I hereby statives, all rights of prioritial countries, entities and in	lexisting by virtue of the laws ayne, and State of Michigan, lives, the entire right, title and d invention including the right is and to receive Letters Patent ganizations, in its or their own if or ASSIGNEE's attorney to lets. Patent herein, Serial, No sell, assign and set over to the ty, including any provisional atergovernmental organizations.
nctuding applications for gamizations, and to pe	myself, my heirs, successors, assigns of an Letters Patent of any and all kinds a serform any and all acts which the ASSIG secure thereto the rights herein sold, assigned.	nd in any und all countries. INEE, its successors, assign	entities and intergovernmental
And I bereby represent a	and warrant that I have not granted any r	ights inconsistent with the ri	ghts granted herein.
hereby acknowledge di ir imprisonment of not t EGAL NAME OF INV	hat any willful false statement made in more than five (5) years or both	this declaration is punishabl	le under 18 U.S.C. 1001 by fine
nventor <u>Joshua S</u>		Date:	10-28-19
ignamic <u>fostu</u>	un Shrimoh		
ca: An Application for sear additional declarate	a State OFFICESTATE or equivalence includes to form for each additional inventor.	ng naming the entire inventive	centify must accompany this formula

Attorney Docket Number	84214686

Title of Invention	SYSTEM AND METHOD FOR REDUCING ENGINE TEMPERATURE
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including applications for organizations, and to pe	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.
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LEGAL NAME OF INV	
Signature: All	
Distant An Augustin Pro-	V Short (RTO/SR/U and additional including and the sale including and the sale included
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.

RECORDED: 11/06/2019

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Attorney Docket Number	84214686

### 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 applications for organizations, and to per	or Letters Patent 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.
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LEGAL NAME OF INV Inventor: Adam J. I	Al demonstrate the second seco
Auam J. F	2 7 // Date: 11/1 C5/11
Signature:	
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.