505912360 02/12/2020

EPAS ID: PAT5959077

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRIS PAUL GLUGLA	01/15/2020
MICHAEL HOWARD SHELBY	12/19/2019
MICHAEL DAMIAN CZEKALA	02/11/2020

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:	16788485

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.

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Email: mcnett@mccrus.com

Correspondent Name: MCCOY RUSSELL LLP

Address Line 1:806 SW BROADWAY SUITE 600Address Line 4:PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER: 84220469

NAME OF SUBMITTER: LUKAS MCNETT

SIGNATURE: /Lukas McNett/

DATE SIGNED: 02/12/2020

Total Attachments: 3

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PATENT 505912360 REEL: 051793 FRAME: 0834

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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	SYSTEMS AND METHODS FOR FOULING REDUCTION IN A PRE-						
	CHAMBER						
This declaration is directed	ed to;						
	stached application, or States application or PCT international application number filed on						
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	ginal inventor or an original joint inventor of a claimed invention in the application.						
continuation-in-part app	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 nal or PCT international filing date of the continuation-in-part application.						
FORD GLOBAL TECHT of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffor the inventions and disname or names, or in my insert the serial/applicat 16/788,485 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu	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. 16/788,485						
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	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							
Inventor: Chris Pau Signature:							
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.						
Use an additional declaration	n form for each additional inventor.						

PATENT REEL: 051793 FRAME: 0835

Attorney Docket Number	84220469

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	SYSTEMS AND METHODS FOR FOULING REDUCTION IN A PRE-					
	CHAMBER					
This declaration is directed	ed to:					
☐ IInitad	tached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then they become known.)					
The above-identified app	lication was made or authorized to be made by me.					
I hereby state that I havincluding 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 disciplinations, material information which became available between the filing date of the prior nal 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. 16/788,485						
	nd warrant that I have not granted any rights inconsistent with the rights granted herein.					
or imprisonment of not r	nat 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 INV	VENTOR Howard Shelby Date: 12-19-2019					
Inventor: Michael	Howard Shelby Date: 1 (1 - W) (
Signature: Mul	w Shirty					
Note: An Annication Das	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.					
	on form for each additional inventor.					

PATENT REEL: 051793 FRAME: 0836

RECORDED: 02/12/2020

	Attorney Docket Number	84220469	
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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	SYSTEMS AND METHODS FOR FOULING REDUCTION IN A PRE-						
	CHAMBER						
This declaration is directed	ed to:						
☐ The att	The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and						
number into this form wh	en 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.	e reviewed and understand the contents of the specification in the above-identified application,						
I believe that I am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.						
I am aware of the duty to	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 nal 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 for of the ASSIGNEE, its statement of the inventions and diname or names, or in my insert the serial/applica 16/788,485 ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss. And I hereby agree for including applications for applications and to be organizations, and to be	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 successors, assigns or other legal representatives to make applications and to receive Letters Patent is scoveries in any and all countries, entities and intergovernmental organizations, in its or their own name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the store and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————						
	and warrant that I have not granted any rights inconsistent with the rights granted herein.						
or imprisonment of not i	nat 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 INV	VENTOR 2 11-7020						
Inventor: Michael	Damian Czekala Date: Z-// Zo Z-						
Signature:	spe Geffala						
Note: An Application Da	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.						

PATENT REEL: 051793 FRAME: 0837