505678193 09/18/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5725001

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY D	ATA					
		Name	Execution Date			
DAVID MARTIN			09/16/2019			
BRENT EDWARD SEAL	Y		09/18/2019			
ROSHINI VENKATESH			09/16/2019			
RECEIVING PARTY DA						
Name:		OBAL TECHNOLOGIES, LLC				
Street Address:		LANE PLAZA SOUTH				
Internal Address:	330 TOW	N CENTER DRIVE				
City:	DEARBO	RN				
State/Country:	MICHIGA	N				
Postal Code:	48128					
Property Type		Number				
Application Number:	16	574454	-			
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Attorney Docket Number 84182752; 67186-844PUS1

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	FUEL	FILL		SYSTEMS FUELING EV	AND	METHODS	FOR
This declaration is direc	and the assessment of a laboration of the factor of the second						
I Inite	filed	ication or I on		application number authorize the inse	rtion of th	e application filing	; date and
The above-identified ap	plication was	made or a	uthorized to be ina	ide by me.			
I hereby state that I ha including the claims.	ve reviewed	and under	stand the content	s of the specificati	on in the	above-identified aq	oplication,
I believe that I am the o	riginal invent	or or an or	iginal joint invent	or of a claimed inve	ention in th	e application.	
I am aware of the duty continuation-in-part ap application and the natio	plications, m	naterial inf	formation which	became available	between	the filing date of	luding for the prior
Pursuant to my employ FORD GLOBAL TECH of the State of Delawa hereinafter referred to a interest, domestic and f of the ASSIGNEE, its for the inventions and c name or names, or in m insert, the serial/applic 16/574,454 ASSIGNEE, its succe applications, in and to t including all application	INOLOGIES re, having its as the ASSIC oreign, in and successors, as liscoveries in ly name, at it ation numbe , Fili ssors, assign he invention ons claiming	b) LLC, a F s principal INEE, its J to the invi- ssigns or o any and a s or their e r and filling Date s or othe s and disco benefit c	ord Motor Compa place of business successors, assign rentions and disco ther legal represen ll countries, entition election (and I here and date of the a September 18 r legal represent overies in any and	ny subsidiary, orga at Dearborn, Cou s or other legal re veries in the above ntatives to make ap ss and intergovern eby authorize the A pplication to rece 5, 2019), and 1 nives, all rights of all countries, entit	nized and mty of Wa presentativ- identified pilications nental org- SSIGNEE ive Letter hereby se of priority ies and into	existing by virtue of syne, and State of res, the entire right invention includin, and to receive Lett anizations, in its or or ASSIGNEE's of s Patent herein: S II, assign and set of , including any p ergovernmental org	of the laws Michigan, t, title and g the right ters Patent their own attorney to Serial No. over to the provisional ganizations
reexaminations and reis And 1 hereby agree for including applications organizations, and to p may deem necessary to	myself, my for Letters Pi erform any a	heirs, succ atent of an nd all acts	y and all kinds ar which the ASSIG	id in any and all c NEE, its successor	ountries, e	ntities and intergov	/ernmental
And I hereby represent	and warrant (ihat I have	not granted any ri	ghts inconsistent w	ith the righ	ts granted herein.	
I hereby acknowledge (or imprisonment of not	hat any will more than fi	ful false sta ve (5) year	ntement made in the or both.	is declaration is p	unishable i	under 18 U.S.C. 10	01 by fine
LEGAL NAME OF IN						e man n	
Inventor: David N	lartin	9;;	£	Dal	ie: <u></u> /()	6/2019	
Signature:	Deser all	M	Z	*************			
Note: An Application D	an Chart BTI	VCD/11 ~~	anninglanti inclusio	a namina the entire	investive er	with must accounting	y this form
Use an additional declarat	ion form for e	ach addition	al inventor.	ie mannie nie snate		···· ⁵ · ·······	

PATENT REEL: 050416 FRAME: 0963

Attorney Docket Number

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 FUEL FILL CONTROL SYSTEMS AND METHODS FOR ANTICIPATING VEHICLE REFUELING EVENTS

This declaration is directed to:

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 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 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.

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

Inventor: Brent Edward Sealy

Date: <u>9/18/2019</u>

Signature: /Brent Edward Sealy/

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.

Automey Docket Number 84182752; 67186-844PUS1

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)

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. L56, 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 unit FORD GLOBAL TECHNOLOGIES, LLC, a FOR 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, tile 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 other for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own 16/5/4,494	Title of Invention	FUEL FILL	CONTROL S	SYSTEMS AND ELING EVENTS	METHODS	FOR
The attached application, or United States application or PCT international application number filed on	This declaration is dire	cted to:				
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. L.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 and the national or PCT international filing date of the continuation-in-part application and existing by virtue of the laws of the SIGNEE, LC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the SASIGNEE, 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 server to 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 KaSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, and 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 legal representatives to make applications, and set over to the ASSIGNEE is successors, assigns or other legal representatives and intergovernmental organizations including applications and reissue applications. And I hereby agree for myself, my heirs, successors,		ed States application or P		cation number torize the insertion of th	e application filing	
It hereby state that I have reviewed and understand the contents of the specification in the above-identified application including the claims. It believe that I am the original inventor or an original joint inventor of a claimed invention in the application. If 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 unter PORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws to fits State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan bereinafter referred to as the ASSIGNEE, its successors, assigns or other legal representatives to make applications and discoveries in any and all countries, entities and intergovernmental organizations, in its or their edgal representatives to make applications and or receive Letters Patent herein: Serial No T6/574,454						
Including the claims. It believe that I am the original inventor or an original joint inventor of a claimed invention in the application. It 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 unter PORD 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, tile 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 insert the scale/Application number and filing date of the application to receive Letters Patent bereits. Serial Applications is and discoveries in any and all countries, entities and intergovernmental organizations, in a to the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in the or their own 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 actin which the ASSIGNEE,	The above-identified ap	oplication was made or a	uthorized to be made b	y me.		
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 unite 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 Patem for the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in its or their election (and 1 hereby authorize the ASSIGNEE or ASSIGNEE's attorney to IT6/574/.374 Filing Date September 18, 2019), and 1 hereby agin, 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 applications. And to here hyperform any and all acts which 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 applications. And to here hyperform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives t	I hereby state that I has including the claims.	ive reviewed and under	stand the contents of	the specification in the	above-identified app	plication,
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 untor PCRD 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 atorney to insert the serial/application number and filing date of the applications to receive Letters Patent herein: Serial No 155/4,454	I believe that I am the c	riginal inventor or an ori	iginal joint inventor of	a claimed invention in th	e application.	
FORD GLOBÁL 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 1 hereby authorize the ASSIGNEE or ASSIGNEE's attorney to "16754,454" successors, assigns or other legal representatives, all rights of priority, including any provisiona applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filling 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 Inventor: Reshini Venkatesh I	continuation-in-part ar	plications, material inf	ormation which beca	me available between i	the filing date of t	
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 Inventor: Roshini Venkatesh Signature: Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form	FORD GLOBAL TECI of the State of Delawa hereinafter referred to interest, domestic and I of the ASSIGNEE, its for the inventions and on name or names, or in n insert the serial/applic I6/574,454 ASSIGNEE, its succes applications, in and to including all applicati	HNOLOGIES, LLC, a Fe are, having its principal as the ASSIGNEE, its s foreign, in and to the inv successors, assigns or of discoveries in any and al ny name, at its or their e cation number and film , Filing Date ssors, assigns or other the inventions and disco- ons claiming benefit of	ord Motor Company supplace of business at I successors, assigns or entions and discoverie ther legal representative Il countries, entities an lection (and I hereby s educe of the applic September 18, 20 legal representative veries in any and all c	absidiary, organized and Dearborn. County of Wa other legal representativ is in the above-identified yes to make applications d intergovernmental orga authorize the ASSIGNEE ation to receive Letter), and I hereby se s, all rights of priority ountries, entities and inter-	existing by virtue of syne, and State of N res, the entire right, invention including and to receive Lette anizations, in its or 1 tor ASSIGNEE's at s Patent herein: Se II, assign and set ov , including any pr ergovernmental orga	the laws Aichigan, title and the right rrs Patent their own torney to erial No. ver to the ovisional nizations
1 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 Inventor: Roshini Venkatesh Date: 9)16 Signature: Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form	including applications organizations, and to p	for Letters Patent of any erform any and all acts	and all kinds and in which the ASSIGNEE	any and all countries, en , its successors, assigns	ntities and intergove	rnmental
or imprisonment of not more than five (5) years or both. LEGAL NAME OF INVENTOR Inventor: <u>Roshini Venkatesh</u> Signature: <u>Roshini Venkatesh</u> Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form	And I hereby represent	and warrant that I have r	ot granted any rights i	nconsistent with the righ	ts granted herein.	
Inventor: <u>Roshini Venkatesh</u> Date: <u><u>10</u>017 Signature: <u>Roshini Venkatesh</u> Signature: <u>Roshini Venkatesh</u> Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form</u>	or imprisonment of not	more than five (5) years		claration is punishable (inder 18 U.S.C. 100	1 by fine
Signature: Rodriggers Culoch				Date: 9	116/2019	
	Signature:		ak.			
				ning the entire inventive en	tity, must accompany	this form.

PATENT REEL: 050416 FRAME: 0965

RECORDED: 09/18/2019