506008143 04/09/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6054853

		NEW ASSIGNMEN	Т		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ATA				
		Name		Execution Date	
JON DIXON				04/20/2017	
IAN HALLERON				04/20/2017	
ANDRES AREVALO				04/20/2017	
RECEIVING PARTY DA	ТА				
Name:	FORD	FORD GLOBAL TECHNOLOGIES, LLC			
Street Address:	FAIRLA	NE PLAZA SOUTH, SUIT	E 800		
Internal Address:	330 TO	WN CENTER DRIVE			
City:	DEARE	ORN			
State/Country:	місніє	AN			
Postal Code:	48126				
Property Type Application Number:		Number 16844830			
ADDIICATION NUMBER		16844830			
CORRESPONDENCE					
		(971)271-8021			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	e sent to	the e-mail address first			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i>	e sent to provideo	the e-mail address first ; if that is unsuccessful,			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	e sent to provideo	the e-mail address first			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone:	e sent to provideo	<i>the e-mail address first;</i> ; <i>if that is unsuccessful,</i> 9712718020			
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CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	e sent ta providea	<i>the e-mail address first</i> <i>; if that is unsuccessful,</i> 9712718020 mcnett@mccrus.com MCCOY RUSSELL LLP 806 SW BROADWAY SU	<i>it will be sent v</i> TE 600		
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CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	e sent ta providea	the e-mail address first if that is unsuccessful, 9712718020 mcnett@mccrus.com MCCOY RUSSELL LLP 806 SW BROADWAY SU PORTLAND, OREGON 93 84250949	<i>it will be sent v</i> TE 600		
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CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 3 source=Assignment_8425	e sent to provided JMBER: 50949#pa	the e-mail address first if that is unsuccessful, 9712718020 mcnett@mccrus.com MCCOY RUSSELL LLP 806 SW BROADWAY SU PORTLAND, OREGON 97 84250949 LUKAS MCNETT /Lukas McNett/ 04/09/2020	<i>it will be sent v</i> TE 600		
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Please direct all correspondence to customer number: 36865

Attorney Docket Number 83807994

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 FOR OPERATING AN ENGINE			
i This declaration is directe	d to:			
United	ached application, or States application or PCT international application number filed on (1 hereby authorize the insertion of the application filing date and en they become known.)			
number into this form wh	en they become known.)			
The above-identified appl	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 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.				
FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su- for the inventions and dis name or names, or in my insert the scrial/applicat 15/593,133 Application No. 1608717 2016), and I hereby sell, rights of priority, includir entitles and Intergoverni continuations, continuatio	tent agreement heretofore made or by contractual obligation, 1 do sell, assign and set over unto IOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and eign, in and to the inventions and discoveries in the above-identified invention including the right coessors, assigns or other legal representatives to make applications and to receive Letters Patent coveries 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 ion number and filing date of the application to receive Letters Patent Herein; Serial No			
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.				
	it any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.			
LEGAL NAME OF INVE	ENTOR			
Inventor: <u>Jon Dixo</u>	Date: <u>XO AFRIL 2017</u>			
Signature: <u>S</u> ~				
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, a form for each additional inventor.			

PATENT REEL: 052360 FRAME: 0167

Please direct all correspondence to customer number: 36865

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Attorney Docket Number 83807994

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 FOR OPERATING AN ENGINE
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 ten they become known.)
The above-identified app	dication 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 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 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 Delawars hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its su for the inventions and di name or names, or in my insert the serial/applica <u>15/593,133</u> Application No. 160871 2016), and I hereby sell rights of priority, includi entities and intergoverr continuations, continuati- And I hereby agree for t including applications fo organizations, and to per	nent agreement heretofore made or by contractual obligation, I do sell, assign and set over anto 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, s 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 Patern scoveries in any and all countries, entities and intergovernmental organizations, in its or their own r name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to fion number and filing date of the application to receive Letters Patern herein: Serial No
And I hereby represent a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge th or imprisonment of not n	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine tore than five (5) years or both.
LEGAL NAME OF INV	
Inventor: lan Hall	$\frac{20 - APR - 2017}{Date:}$
Signature:	- aeull
	s Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.

PATENT REEL: 052360 FRAME: 0168

Attorney Docket Number 83807994

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 FOR OPERATING AN ENGINE			
This declaration is direc	ted to:			
Unite	tached application, or 1 States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and hen they become known.)			
The above-identified app	lication was made or authorized to be made by me.			
I hereby state that I hat 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 dications, 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 fi of the ASSIGNEE, its s for the inventions and d name or names, or in m insert the serial/applica 15/593,133 Application No. 160871 2016), and I hereby sel- rights of priority, includentities and intergover continuations, continuation And I hereby agree for including applications for organizations, and to pe	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, s 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 uccessors, assigns or other legal representatives to make applications and to receive Letters Patent iscoveries in any and all countries, entities and intergovernmental organizations, in its or their own y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to filing Date May 11, 2017, which claims priority to Great Britain Patent 7.3, filed on May 18, 2016, and to Indian Patent Application No. 201641017210, filed May 18, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, and discoveries in any and all countries, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations for the application is receive Letters Patent herein: Serial No			
And I hereby represent a	nd 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	ENTOR and a state			
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.			

PATENT REEL: 052360 FRAME: 0169

RECORDED: 04/09/2020