#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5687298

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JEFFREY ALLEN DOERING	07/31/2019
ALEXANDER O'CONOR GIBSON	08/06/2019
BRAD ALAN VANDERWEGE	08/07/2019

#### **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:	16551622

#### **CORRESPONDENCE DATA**

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

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ATTORNEY DOCKET NUMBER:	84175441
NAME OF SUBMITTER:	ASHLEY R. TAPIA
SIGNATURE:	/Ashley R. Tapia/
DATE SIGNED:	08/26/2019

#### **Total Attachments: 3**

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PATENT 505640491 REEL: 050173 FRAME: 0690

Attorney Docket Number	84175441	

## 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 FOR STARTING AN ENGINE
This declaration is directed	ed to:
	States application, or 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.	re 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	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.
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. 16/551,622 , Filing Date August 26, 2019 ), 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.	
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.
And I hereby represent a	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	/ENTOR 7)/ O. O.
Inventor: <u>Jeffrey A</u>	Ilen Doering Date: 3/ Use 2019
Signature:	
Note: An Application Dat	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: 050173 FRAME: 0691

Attorney Docket Number	84175441

# 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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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.
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.
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. 16/551,622 , Filing Date August 26, 2019 ), 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.	
including applications fo organizations, and to per	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, r 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 and 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: <u>Alexande</u> Signature:	r O'Conor Gibson Date:
and the second s	the state of the 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: 050173 FRAME: 0692

REEL: 050173 FRAME: 0693

### 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 M	IETHOD FOR STARTING AN ENGINE
This declaration is directed to:	
The attached application, or United States application or PC filed on number into this form when they become known.)	
The above identified application was made or suit	norized to be made by me
I hereby state that I have reviewed and understanding the claims.	and the contents of the specification in the above identified application.
a believe that I am the original inventor or an original	inal joint inventor of a claimed invention in the application.
I am aware of the duty to disclose information we continuation-in-part applications, material infor application and the national or PCT international.	tuch is material to patentability as defined in 37 C.F.R. 1.56, including for mation, which became available between the filling date of the prior filling date of the continuation-in-part application.
pORD of OBAL TECHNOLOGIES, LLC a for at the State of Delaware, having its principal pherematic referred to as the ASSIGNEE, the orinterest domestic and foreign, in and to the investigation of the investigation and discoveries in any and all pane or names, or in my name, at its or their element the serial application number and films 16/551622. Filing Date ASSIGNEE, its successors, assigns or other applications in and to the inventions and discovering all applications claiming benefit of reesaminations and reissue applications.	in made of my commutation including. I do well, assign and set over unto diction Company subsidiary, organized and existing by virtue of the investigation histories at Deadron. County of Wayne, and State of Michigan cosmols, assigns or other legal representatives, the entire right, title and not and discoveries in the above identified invention including the right of legal representatives to make applications and to receive Letters Patent countries entitles and increase entires a generations, in its or their own client (and thereby authorize the ASSIC SEL or ASSIGNEE substitute of the application to receive Letters Patent herein. Serial No. August 26, 2019. — and I hereby sell, assign and set over to the legal representatives all rights of priority, including any provisional cries in any and all countries, entities and intergovernmental organizations the filling date hereof, commutations, commutations in-part, divisionals,
the state of the s	ssors, assigns or other legal representatives to execute any and oil papers and all kinds and in any and all countries, entities and intergovernmental thich the ACSIC/SEL, as successors, assigns or other legal representatives never sold, assigned and set over
	granted any rights inconsistent with the rights granted herein.
Thereby acknowledge that any willful false state	made in this declaration is punishable under 18 U.S.C. 1001 by fine or both
or impresentation of not more than five (5) years of Fig. 1. Fig. 1. NAME OF INVENTOR inventor.  Bout Alan VanDer Verr	Sett. 1/1/2/1
	Assemble according resource the order inventive codes, most accompany this form
	PATENT

RECORDED: 08/26/2019