### 505005998 07/16/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOSEPH NORMAN ULREY	12/15/2016
DANIEL PAUL MADISON	12/09/2016
BRAD ALAN BOYER	12/16/2016
CHRIS JOHN PIPER	12/08/2016

#### **RECEIVING PARTY DATA**

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Internal Address:	330 TOWN CENTER DRIVE
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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16036742

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER: 84050946

NAME OF SUBMITTER: ASHLEY R. TAPIA

SIGNATURE: /Ashley R. Tapia/

DATE SIGNED: 07/16/2018

**Total Attachments: 4** 

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PATENT REEL: 046363 FRAME: 0030

**EPAS ID: PAT5052746** 

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Attorney Docket Number	83672413

# 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 A SPLIT EXHAUST ENGINE SYSTEM
This declaration is direct	ed to:
United	sached application, or  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	lication was made or authorized to be made by me.
I hereby state that I havincluding 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 hal 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. 15/382,477 , Filing Date December 16, 2016 , 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.  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 INV	ENTOR
Inventor: <u>Joseph N</u>	Orman Orrey
Signature:	D. Ulig
Notice Augustication Pro-	a Sheet (PTO/SE/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Note: An Application Dat	a Succe (1 17.0.35) 14 to editional inventor.

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83672413

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FORD GLOBAL TECHT of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its state for the inventions and diname or names, or in my insert the serial/applications. 15/382, 477  ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss.  And I hereby agree for the state of	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers,
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	ENTOR 12/9/~~16
	M. M
Signature: Januar	Bank Modesin
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.

Attorney Docket Number	83672413

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FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its sofor the inventions and diname or names, or in my insert the serial/applications, its successapplications, in and to fi	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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own or name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to a strong the strong pate of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————
including applications for organizations, and to pe	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 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.
or imprisonment of not	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	
2	A ala Ra
Signature:	
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.

**RECORDED: 07/16/2018** 

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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)

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FORD GLOBAL TECH! of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its safor the inventions and diname or names, or in my insert the serial/applicate 15/382,477  ASSIGNEE, its success applications, in and to the including all application reexaminations and reission.  And I hereby agree for the state of the s	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers,
organizations, and to per	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 as	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. 1901 by fine or imprisonment of not more than five (5) years or both.	
LEGAL NAME OF INV Inventor: Chris Joh	
	elope Mohy Pipo
Note: An Application Data	s Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
	n form for each additional inventor