504133205 12/16/2016

EPAS ID: PAT4189491

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS G LEONE	12/15/2016
JOSEPH NORMAN ULREY	12/15/2016
BRAD ALAN BOYER	12/16/2016

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:	15382489

CORRESPONDENCE DATA

Fax Number: (503)459-4142

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.

Phone: 503-459-4141

Email: frommer@ahmrt.com

Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE, LLP

Address Line 1: 806 S.W. BROADWAY, SUITE 600
Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER:	83678585
NAME OF SUBMITTER:	ELIZABETH FROMMER
SIGNATURE:	/Elizabeth Frommer/
DATE SIGNED:	12/16/2016

Total Attachments: 3

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PATENT 504133205 REEL: 040644 FRAME: 0376

Attorney Docket Number	83678585
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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 A SPLIT EXHAUST ENGINE SYSTEM
This declaration is directed	ed to:
The attached application, or United 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 hav 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 appl	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.
FORD GLOBAL TECHY of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its surfor the inventions and disname or names, or in my insert the serial/applicat 15/382, 489 ASSIGNEE, its success applications, in and to the including all application reexaminations and reisst	nent 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 to 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 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 Patent acoveries 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 fo 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 ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
	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	ENTOR 201/-12 (5
Inventor: Thomas C	
Signature: <u>10</u>	m Leane
	s Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 040644 FRAME: 0377

Attorney Docket Number 83678585		
	Attorney Docket Number	83678585

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This declaration is directe	ed 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 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. 15/382,489 , 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 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	
	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.	
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 nore than five (5) years or both.
LEGAL NAME OF INV	ENTOP
	oman Ulrey Date: 15 DEC 2016
Signature: <u>Jerzeje</u> s	l N. Uly
	<u> </u>
Note: An Application Date Use an additional declaration	a Sheet (PTO/SB/14 of equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.

PATENT REEL: 040644 FRAME: 0378

RECORDED: 12/16/2016

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Attorney Docket Number	83678585
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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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	ted application, or stees application or PCT international application number filed on
The above-identified applica	ution was made or authorized to be made by me.
I hereby state that I have re- including the claims.	eviewed and understand the contents of the specification in the above-identified application,
I believe that I am the origin	al inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part applica	sclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for tions, material information which became available between the filing date of the prior 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 automey to insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial No. 15/382,489 , 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.	
including applications for L organizations, and to perfor	self, my heirs, successors, assigns or other legal representatives to execute any and all papers, etters Patent of any and all kinds and in any and all countries, entities and intergovernmental m any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives are 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 a	any will ful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine e than five (5) years or both.
LEGAL NAME OF INVEN	STOR 12 / 12 / 2018
Inventor: Brad Alan B	loyer Date: 1771
Signature:	1 de 15-
Note: An Application Data SI Use an additional declaration f	heet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. for each additional inventor.

PATENT REEL: 040644 FRAME: 0379