503971066 08/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4017722

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KIM FORD	08/11/2016
JAMES BROMHAM	08/11/2016
MATTHEW ALLEN SCHNEIDER	08/16/2016

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:	15243564

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.

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Email: enabnit@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:	83700615
NAME OF SUBMITTER:	JIBEK ENABNIT
SIGNATURE:	/Jibek Enabnit/
DATE SIGNED:	08/22/2016

Total Attachments: 3

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> **PATENT** REEL: 039500 FRAME: 0592 503971066

Attorney Docket Number 83700615	

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	A METHOD OF OPERATING AN ENGINE	
This declaration is direct	set 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 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.	
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 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. 15/243,564, Filing Date August 22,2016 , which claims priority to Great Britain Patent Application No. 1514984.2, filed August 24, 2015, and to Great Britain Patent Application No. 1518452.6, filed October 19, 2015), 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 and intergovernmental organizations, 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, assi		
And I hereby represent ar	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	
Inventor: Kim For	Date:	
Signature:	A mark man	
Note: An Application Data Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, a form for each additional inventor.	

PATENT REEL: 039500 FRAME: 0593

Attorney Docket Nu	mber 83700615	

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	a method of operating an engine
This declaration is direct	ed to:
United United	stached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then 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	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for disclose, material information which became available between the filing date of the prior and 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 for of the ASSIGNEE, its sfor the inventions and diname or names, or in minsert the serial/applica 15/243,564 Application No. 151498 19, 2015), and I hereby rights of priority, includentities and intergoven continuations, continuations. And I hereby agree for including applications forganizations, 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, is the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and treign, 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 iscoveries in any and all countries, entities and intergovernmental organizations, in its or their own virtue and filing date of the application to receive Letters Patent herein: Serial No, Filing Date _August_22_/2016, which claims priority to Great Britain Patent 4.2, filed August 24, 2015, and to Great Britain Patent Application No. 1518452.6, filed October sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all ing any provisional applications, in and to the inventions and discoveries in any and all countries, mmental organizations including all applications claiming benefit of the filing date hereof, ons-in-part, divisionals, reexaminations and reissue applications. 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 i	nat 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 Growham Date: UB/16
Inventor: James I	Bromham Date: 1/8/6
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

PATENT REEL: 039500 FRAME: 0594 Title of Invention

Attorney Docket Number	83700615

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)

A METHOD OF OPERATING AN ENGINE

This declaration is	directed to:
	The attached application, or
number into this fo	rm when they become known.)
The above-identifis	ed application was made or authorized to be made by me.
I hereby state that including the claim	I have reviewed and understand the contents of the specification in the above-identified application, is.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-par	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for it applications, material information which became available between the filing date of the prior national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL 1 of the State of De hereinafter referres interest, domestic to of the ASSIGNEE for the inventions mame or names or insert the serial/al 15/243. Application No. 1319, 2015), and I herights of priority, i emities and interpression for the property of the control of	reployment agreement heretofore made or by contractual obligation. I do sell, assign and set over unto FECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws flaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, d to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and and foreign, in and to the inventions and discoveries in the above-identified invention including the right, its successors, assigns or other legal representatives to make applications and to receive Letters Patent and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's automey to application number and filing date of the application to receive Letters Patent herein: Serial No. 564. Filing Date AUGUST 22,2016, which claims priority to Great Britain Patent 514984.2, filed August 24, 2015, and to Great Britain Patent Application No. 1518452.6, filed October treby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all including any provisional applications, in and to the inventions and discoveries in any and all countries, governmental organizations including all applications claiming benefit of the filing date hereof, timustions-in-part, divisionals, reexaminations and reissue applications.
including applications, and	e for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, tons for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives by to secure thereto the rights herein sold, assigned and set over.
And I hereby repre	sent and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment o	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by line f not more than five (8) years of both.
LEGAL NAME Of Inventor:Ma	FINVENTOR When Schneides Dave July 1015 14, 2014
Signature:	444444
	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Claration form for each additional inventor.

PATENT REEL: 039500 FRAME: 0595

RECORDED: 08/22/2016