504651828 11/21/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4698549

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS G. LEONE	11/15/2017
AED M. DUDAR	11/16/2017
KENNETH J. MILLER	11/15/2017

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	330 TOWN CENTER DRIVE, SUITE 800
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15818852

CORRESPONDENCE DATA

Fax Number:

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: docket@b2iplaw.com

Correspondent Name: BEJIN BIENEMAN PLC FORD GLOBAL TECHNOLOG

Address Line 1: 300 RIVER PLACE

Address Line 2: SUITE 1650

Address Line 4: DETROIT, MICHIGAN 48207

ATTORNEY DOCKET NUMBER:	83896696(65080-2740)
NAME OF SUBMITTER:	REZA SAHBA
SIGNATURE:	/Reza Sahba/
DATE SIGNED:	11/21/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=83896696 - Signed Combined Declaration and Assignment with filing info (65080-2740) - all 3 inventors#page1.tif

PATENT REEL: 044187 FRAME: 0359

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 $source = 83896696 - Signed\ Combined\ Declaration\ and\ Assignment\ with\ filing\ info\ (65080-2740) - all\ 3 inventors \# page 3.tif$

PATENT REEL: 044187 FRAME: 0360 Title of Invention

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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)

VEHICLE MAINTENANCE OPERATION

This declaration	is directed to:		
⊠ X	The attached application, or United States application or PCT internal 15/818,852 filed on 11/21/2017 (1)	tional application number nereby authorize the insertio	on of the application filing date and
number into this	s form when they become known.)		
The above-iden	tified application was made or authorized to	be made by me.	
hereby state t including the cl	that I have reviewed and understand the caims.	ontents of the specification	in the above-identified application,
believe that I a	am the original inventor or an original joint	inventor of a claimed invention	on in the application.
continuation-in-	he duty to disclose information which is mapping applications, material information which is material information the national or PCT international filing date	vhich became available bet	ween the filing date of the prior
FORD GLOBA of the State of mereinafter refe interest, domest of the ASSIGN for the invention mame or names, insert the seria 15/818,89 ASSIGNEE, it applications, in including all a reexaminations	employment agreement heretofore made. L. TECHNOLOGIES, LLC, a Ford Motor of Delaware, having its principal place of briefed to as the ASSIGNEE, its successors, tic and foreign, in and to the inventions and EE, its successors, assigns or other legal rems and discoveries in any and all countries, or in my name, at its or their election (and all application number and filing date of 52	Company subsidiary, organizations at Dearborn, County assigns or other legal representatives in the above-ide epresentatives to make applicantities and intergovernment. I hereby authorize the ASS the application to receive 17	ed and existing by virtue of the laws of Wayne, and State of Michigan, sentatives, the entire right, title and entified invention including the right eations and to receive Letters Patent at organizations, in its or their own IGNEE or ASSIGNEE's attorney to Letters Patent herein: Serial No. reby sell, assign and set over to the priority, including any provisional and intergovernmental organizations, continuations-in-part, divisionals,
including applic organizations, a	cations for Letters Patent of any and all ki and to perform any and all acts which the ssary to secure thereto the rights herein sold	nds and in any and all count ASSIGNEE, its successors, a	tries, entities and intergovernmental
And I hereby re	present and warrant that I have not granted	any rights inconsistent with t	he rights granted herein.
or imprisonmen	wledge that any willful false statement mad at of not more than five (5) years or both.	le in this declaration is punis	hable under 18 U.S.C. 1001 by fine
	E OF INVENTOR Thomas G. Leone	Date:	2017-11-15
inventor,	TA: H -	Date,	
Signaturė:	Thomas H. Hoone		
	cation Data Sheet (PTO/SB/14 or equivalent), in I declaration form for each additional inventor.	ncluding naming the entire inve	ntive entity, must accompany this form.

PATENT REEL: 044187 FRAME: 0361 Title of Invention

A	Donalose Alixandran	1 02006606	たくれのひ クラスハトー
Anornev	Docket Number	1 000000000	(65080-2740)

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)

VEHICLE MAINTENANCE OPERATION

This declaration is directed to:
The attached application, or United States application or PCT international application number 15/818,852 filed on 11/21/2017. (I hereby authorize the insertion of the application filing date and number into this form when they become known.)
The above-identified application was made or authorized to be made by me,
I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims.
I believe that I am the original inventor of an original joint inventor of a claimed invention in the application.
Lam 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. 15/818,852 , Filing Date 11/21/2017), 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 bereby 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 INVENTOR
Inventor: Aed M Dudar Date: /// Date: /// Signature:
Note: An Application Data Sheet (PTO/SB/14 or equivalent); including naming the entire inventive entity, must accompany this form. Use an additional declaration form for each additional inventor.

PATENT REEL: 044187 FRAME: 0362

Attorney Docket Number 83896696((65080-2740)
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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	VEHICLE MAINTENANCE OPERATION
This declaration is directed	od to:
This declaration is directed	54 10.
☒ United	ached application, or States application or PCT international application number 8,852 filed on 11/21/2017. (I hereby authorize the insertion of the application filing date and
number into this form wh	en they become known.)
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 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.
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 serial/applicat 15/818,852	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 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 accessors, assigns or other legal representatives to make applications and to receive Letters Patent accessors, as a sign 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.
applications, in and to the	ors, assigns or other legal representatives, all rights of priority, including any provisional e inventions and discoveries in any and all countries, entities and intergovernmental organizations is claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, are 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 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 lore than five (5) years or both.
LEGAL NAME OF INV	ENTOP / - / -
Inventor: Kenneth I.	- 11/10/2011
Signature: Kenni	tf J Miller
Note: An Application Data	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
	n form for each additional inventor

PATENT REEL: 044187 FRAME: 0363

RECORDED: 11/21/2017