502695832 02/25/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2742437

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
GOPICHANDRA SURNILLA	02/24/2014	
ERIC KRENGEL	02/19/2014	
JOSEPH LYLE THOMAS	01/21/2014	
TODD ANTHONY RUMPSA	02/13/2014	
MICHAEL HOWARD SHELBY	01/21/2014	

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:	14189900

CORRESPONDENCE DATA

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Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER:	83413464
NAME OF SUBMITTER:	MAXFIELD FULTON

502695832 REEL: 032297 FRAME: 0016

Signature:	/Maxfield Fulton/
Date:	02/25/2014
Total Attachments: 5 source=Executed Assignment 83413464#pasource=Executed Assignment 83413464#pasource=Exec	age2.tif age3.tif age4.tif

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Attorney Docket Number	83413464

Title of Inventi	itle of Invention METHOD FOR FUEL INJECTION CONTROL		
This declaration is	s directe	d to:	
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	United :	sched application, or States application or PCT international application number	
	***************************************	filed on	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
The above-identif	ied appli	ication was made or authorized to be made by me.	
I hereby state that including the clair	it I have ms.	e reviewed and understand the contents of the specifica	tion in the above-identified application,
I believe that I am	the orig	final inventor or an original joint inventor of a claimed in	vention in the application.
continuation-in-pa	art appli	disclose information which is material to patentability as ications, material information which became available at or PCT international filing date of the continuation-in-	between the filing date of the prior
FORD GLOBAL of the State of Dehereinafter referred interest, domestic of the ASSIGNET for the inventions name or names, or insert the serial/a 14/189,900 ASSIGNEE, its applications, in an including all appreexaminations and And I hereby agree.	TECHN elaware, ed to as and fore and disc r in my rapplication successo and to the dications d reissue	yself, my heirs, successors, assigns or other legal repres	sanized and existing by virtue of the laws burty of Wayne, and State of Michigan, epresentatives, the entire right, title and e-identified invention including the right pplications and to receive Letters Patent imental organizations, in its or their own ASSIGNEE or ASSIGNEE's attorney to eive Letters Patent herein: Serial No. I hereby sell, assign and set over to the of priority, including any provisional ties and intergovernmental organizations tions, continuations-in-part, divisionals, sentatives to execute any and all papers.
including applicat organizations, and may deem necessa	ions for I to perfe ary to sec	Letters Patent of any and all kinds and in any and all corm any and all acts which the ASSIGNEE, its successocure thereto the rights herein sold, assigned and set over.	countries, entities and intergovernmental rs, assigns or other legal representatives
And I hereby repre	esent and	I warrant that I have not granted any rights inconsistent w	ith the rights granted herein.
I hereby acknowle or imprisonment o	edge that of not mo	any willful false statement made in this declaration is pore than five (5) years or both.	unishable under 18 U.S.C. 1001 by fine
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Signature:	. Commis	C the state of the	*
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Note: An Appucau Lice an additional de	on Data 3 Poemico	Sheet (PTO/SB/14 or equivalent), including naming the entire	inventive entity, must accompany this form.

Please direct all correspondence to customer number: 36865

Title of Invention

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A secondary Physica Strawbon	83413464
Attorney Docket Number	1 634413404
<u> </u>	1 (25.8) (20.8) (2.8)(2.

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

METHOD FOR FUEL INJECTION CONTROL

This declaration is o	directed to:
inis declaration is c	airected to:
	he attached application, or
	Jnited States application or PCT international application number
	filed on
The above-identifie	ed application was made or authorized to be made by me.
I hereby state that including the claims	I have reviewed and understand the contents of the specification in the above-identified application, s.
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part	luty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for tapplications, 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 T of the State of Delhereinafter referred interest, domestic at of the ASSIGNEE, for the inventions a name or names, or insert the serial/ap 14/189,900 ASSIGNEE, its suapplications, in and including all appli	reployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto ECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws laware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, I 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 attorney to opplication number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
including application organizations, and to	e for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ons 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 y to secure thereto the rights herein sold, assigned and set over.
And I hereby repres	sent and warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowled	lge 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: <u>Eric</u>	Krengel Date: February 19, 2014
Signature:	· · · · · · · · · · · · · · · · · · ·
Z. Z.	- John Marie Land Committee Committe
	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form,
Use an additional dec	daration form for each additional inventor.
	DATELIT.

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AUGUITO	Docket Number	1 03413404		

Title of Invention	METHOD FOR FUEL INJECTION CONTROL
This declaration is direct	ed to:
United	tached application, or I States application or PCT international application number filed on
The above-identified app	olication was made or authorized to be made by me.
I hereby state that I have including the claims.	ve 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 olications, material information which became available between the filing date of the prior nal 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 the ASSIGNEE, its sfor the inventions and dname or names, or in minsert the serial/applications and dname or names, or in minsert the serial/applications.	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 oreign, in and to the inventions and discoveries in the above-identified invention including the right nuccessors, 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 yname, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to attoin number and filing date 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 Thereby represent a	and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not a	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	
Inventor: <u>Joseph L</u>	yle Thomas Date; 12/2 CCC 7
Signature:	
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Use an additional declarati	on form for each additional inventor.

	************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Attorney Docket Number	83413464	

Title of Inventi	on METHOD FOR FUEL INJECTION CONTROL
This declaration is	s directed to:
	The attached application, or United States application or PCT international application number filed on
The above-identif	ied application was made or authorized to be made by me.
I hereby state that including the clair	at I have reviewed and understand the contents of the specification in the above-identified application, ms.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-pa	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for art applications, material information which became available between the filing date of the prior e national or PCT international filing date of the continuation-in-part application.
of the State of Dehereinafter referred interest, domestic of the ASSIGNEE for the inventions name or names, or insert the serial/s 14/189,900 ASSIGNEE, its applications, in an including all app	mployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws claware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, and 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 and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own r in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
organizations, and	the for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ions 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 try to secure thereto the rights herein sold, assigned and set over.
And I hereby repre	esent and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment o	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine if not more than five (5) years or both.
LEGAL NAME O	
	dd Anthony Rumpsa Date: 2/13/2019
Signature:	add Arthur Alexander
Note: An Applicati	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Use an additional de	Claration form for each additional inventor

#*************************************		
Attorney Docket Number	83413464	
THOMAS DOCKER THOMSDEE	03713404	

Title of Inventic)B	METHOD FOR FUEL INJECTION CONTROL	
This declaration is directed to:			
	The att	tached application, or I States application or PCT international application number filed on	
The above-identifi	ed app	lication was made or authorized to be made by me.	
I hereby state that including the claim	t I hav	re 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-pai	rt 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 nal or PCT international filing date of the continuation-in-part application.	
of the State of De hereinafter referred interest, domestic a of the ASSIGNEE for the inventions aname or names, or insert the serial/ap 14/189,900 ASSIGNEE, its sapplications, in and	rechnology it is to as and for a to su and dis in my pplicate to the ication:	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 accessors, assigns or other legal representatives to make applications, 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. ———————————————————————————————————	
organizations, and	ons for to perf	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, 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 cure thereto the rights herein sold, assigned and set over.	
And I hereby repres	sent and	d warrant that I have not granted any rights inconsistent with the rights granted herein.	
or imprisonment of	not mo	t any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.	
LEGAL NAME OF Inventor: Mich		oward Shelby Date: (- Zi - Zoi*	
Signature: M	دلمه	A JE SCHOOL DATE OF THE SCHOOL	
Mara An Amelination	is Distri	OC (PTO_COV)	
Use an additional decl	a Data : laration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.	

PATENT REEL: 032297 FRAME: 0022

RECORDED: 02/25/2014