504662372 11/29/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4709094

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GOPICHANDRA SURNILLA	09/16/2014
RICHARD E. SOLTIS	09/16/2014
DANIEL A. MAKLED	09/17/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15825864

CORRESPONDENCE DATA

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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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Correspondent Name: MCCOY RUSSELL LLP

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

ATTORNEY DOCKET NUMBER:	83928416
NAME OF SUBMITTER:	LAURA ROBERTS
SIGNATURE:	/Laura Roberts/
DATE SIGNED:	11/29/2017

Total Attachments: 3

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PATENT 504662372 REEL: 044250 FRAME: 0772

Please direct all correspondence to customer number: 36865

Attorney Docket Number	83471609

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)

Time of invention	COMPENSATING OXYGEN SENSOR AGING
This declaration is di	rected to:
Un Un	e attached application, or ited States application number filed on
The above-identified	application was made or authorized to be made by me.
I hereby state that I including the claims.	have reviewed and understand the contents of the specification in the above-identified application,
	e original inventor or an original joint inventor of a claimed invention in the application.
I am aware of the du- continuation-in-part	ty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for applications, material information which became available between the filing date of the prior ational or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TE of the State of Delah hereinafter referred t interest, domestic and of the ASSIGNEE, it for the inventions and name or names, or in insert the serial/app 14/512, 342 ASSIGNEE, its suc applications, in and t	loyment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto CHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws ware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, o as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and if foreign, in and to the inventions and discoveries in the above-identified invention including the right is successors, assigns or other legal representatives to make applications and to receive Letters Patent in discoveries in any and all countries, entities and intergovernmental organizations, in its or their own manner, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to lication number and filing date of the application to receive Letters Patent herein: Serial No.
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 represen	nt and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of n	e that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of more than five (5) years or both.
LEGAL NAME OF I	The first term of the first of
Inventor: <u>Gopic</u>	handra Surnilla Date: 7/6/2014
Signature:	
	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. ration form for each additional inventor.

PATENT REEL: 044250 FRAME: 0773

Please direct all correspondence to customer number: 36865

Attorney Docket Number	83471609	

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	COMPENSATING OXYGEN SENSOR AGING
This declaration is direc	ed to:
	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 ha 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 oblications, 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, its successapplications, in and to the	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 breign, 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 y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ation number and filing date of the application to receive Letters Patent herein: Serial No. —, Filing Date October 10, 2014—), and I hereby sell, assign and set over to the sors, assigns or other legal representatives, all rights of priority, including any provisional me inventions and discoveries in any and all countries, entities and intergovernmental organizations are claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, are applications.
including applications forganizations, 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	nd 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 more than five (5) years or both.
LEGAL NAME OF INV	ENTOR
Inventor: Richard Signature: 4	5. Soltis Date: 1/2 54/2014 22.22 51/20
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.

PATENT REEL: 044250 FRAME: 0774

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RECORDED: 11/29/2017

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Attorney Docket Number	83471609

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This declaration is direc	ted to:
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The above-identified ap	plication was made or authorized to be made by me.
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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, its successibility of the serial applications, in and to the state of the state o	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto INOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws re, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, as 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 y name, 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 forganizations, and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental erform 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	hat 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 IN	
Inventor: <u>Daniel A</u>	
Signature:	
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 044250 FRAME: 0775