504003799 09/13/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4050455

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GOPICHANDRA SURNILLA	04/02/2014
JAMES ALFRED HILDITCH	04/03/2014
STEPHEN B. SMITH	04/02/2014
MICHAEL HOWARD SHELBY	03/31/2014
TODD ANTHONY RUMPSA	04/02/2014
MOHANNAD HAKEEM	04/02/2014

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:	15264456

CORRESPONDENCE DATA

504003799

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: parry@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:	83704785
NAME OF SUBMITTER:	CAITLIN PARRY
SIGNATURE:	/CAITLIN PARRY/
DATE SIGNED:	09/13/2016

Total Attachments: 6

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Attorney Docket Number	03431400	}
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little of Invention	METHODS AND SYSTEMS FOR ADJUSTING EGR BASED ON AN IMPACT OF PCV HYDROCARBONS ON AN INTAKE OXYGEN SENSOF		
This declaration is directed to:			
Uni	attached application, or ted States application or PCT international application number filed on		
The above-identified a	pplication was made or authorized to be made by me.		
I hereby state that I is including the claims.	ave reviewed and understand the contents of the specification in the above-identified application,		
I believe that I am the	original inventor or an original joint inventor of a claimed invention in the application.		
continuation-in-part a	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for pplications, material information which became available between the filing date of the prior ional or PCT international filing date of the continuation-in-part application.		
of the State of Delawi hereinafter referred to interest, domestic and of the ASSIGNEE, its for the inventions and name or names, or in n insert the serial/applic 14/252, 693 ASSIGNEE, its succe applications, in and to	yment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto HNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws are, 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 foreign, 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 discoveries in any and all countries, entities and intergovernmental organizations, in its or their own my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to cation number and filing date of the application to receive Letters Patent herein: Serial No. Filing Date April 14, 2014), and I hereby sell, assign and set over to the assors, assigns or other legal representatives, all rights of priority, including any provisional the inventions and discoveries in any and all countries, entities and intergovernmental organizations ons claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, usual 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.		
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>Gopicha</u>	VENTOR ndra Surnilla Date: 4/2/2014		
Signature:	Land Conclusion 1		
Note: An Application Da Use an additional declarati	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.		

Atternar	Docket Number	02/21/00	
ranouncy	DOCKET MARRIDGE	83431698	

Title of Invention	METHODS AND SYSTEMS FOR ADJUSTING EGR BASED ON AN IMPACT OF PCV HYDROCARBONS ON AN INTAKE OXYGEN SENSO
This declaration is direct	cted to:
☐ Unite	attached application, or ed States application or PCT international application number filed on
The above-identified ap	plication was made or authorized to be made by me.
I hereby state that I had including the claims.	ive reviewed and understand the contents of the specification in the above-identified application
I believe that I am the o	riginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part ap	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for plications, material information which became available between the filing date of the prior part of the prior part application.
of the State of Delawar hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its s for the inventions and d name or names, or in m insert the serial/applica 14/252,693 ASSIGNEE, its success applications, in and to the	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto MOLOGIES, 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 successors, assigns or other legal representatives to make applications and to receive Letters Patent discoveries 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. ———————————————————————————————————
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 I hereby represent a	and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not n	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	Carlo 1.1700 and 1
Inventor: <u>James A</u>	lfred Hilditch Date: 4/3/3014
Signature:	2. Wilter
Note: An Application Data Use an additional declaration	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.

Attorney Docket Number 83431698	

Title of Invention	THE TAXABLE PARTY OF THE PARTY OF THE PROPERTY		
IMPACT OF PCV HYDROCARBONS ON AN INTAKE OVVCEN SENSO.			
This declaration is	lirected to:		
	he attached application, or		
	nited States application or PCT international application number		
<u>-</u>	filed on		
The above-identifie	d 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.		
I believe that I am i	ne original inventor or an original joint inventor of a claimed invention in the application.		
community in par	ity to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including fo applications, material information which became available between the filing date of the priorational or PCT international filing date of the continuation-in-part application.		
of the State of Del hereinafter referred interest, domestic at of the ASSIGNEE, for the inventions a name or names, or insert the serial/ap 14/252,693 ASSIGNEE, its suapplications, in and including all applicate reexaminations and			
organizations, and to	for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, is for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives to secure thereto the rights herein sold, assigned and set over.		
	nt and warrant that I have not granted any rights inconsistent with the rights granted herein.		
or unbrasonnen or i	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	NVENTOR ///a/au/		
nventor: Steph	27 B. Smith Date: 4/2/2014		
Signature:	eple-fronte		
Viota: An Analization	2rds Chand /2000/00/1/4		
soc. An Appucation lse an additional decla	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

Attorney Docket Number	83431698

Title of Invention	METHODS AND SYSTEMS FOR ADJUSTING EGR BASED ON AN								
779 10 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	IMPACT OF PCV HYDROCARBONS ON AN INTAKE OXYGEN SENSOR								
This declaration is dire	crea to:								
The Hoit	attached application, or								
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	filed on								
The above-identified a	oplication was made or authorized to be made by me.								
I hereby state that I h including the claims.	ave reviewed and understand the contents of the specification in the above-identified application,								
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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.									
FORD GLOBAL TEC of the State of Delaw hereinafter referred to interest, domestic and of the ASSIGNEE, its for the inventions and name or names, or in a insert the serial/applications, in and to including all applications and reincluding applications and reincluding applications organizations, and to a property of the property of the state of	yment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto HNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws are, 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 foreign, 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 discoveries in any and all countries, entities and intergovernmental organizations, in its or their own my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ration number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————								
And I hereby represent	and warrant that I have not granted any rights inconsistent with the rights granted herein.								
	that 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	VENTOR								
Inventor: Michae	l Howard Shelby Date: 글프로시크 Z이션								
Signature:	i de la companya della companya della companya de la companya della companya dell								
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Title of Invention METHODS AND SYSTEMS FOR ADJUSTING EGR BASED ON AN
IMPACT OF PCV HYDROCARBONS ON AN INTAKE OXYGEN SENSO This declaration is directed to:
The strached application, or
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filed on
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 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. 14/252,693 . Filing Date April 14, 2014 .), 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 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 INVENTOR
Inventor: Todd Anthony Rumpsa Date: 4/2/2014
Signature: ZaLLItaL
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
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Attorney Docket Number	

Title of Invention	METHODS AND SYSTEMS FOR ADJUSTING EGR BASED ON AN
This declaration is disco	IMPACT OF PCV HYDROCARBONS ON AN INTAKE OXYGEN SENSOI
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of the State of Delawar hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its state for the inventions and diname or names, or in my insert the serial/applicated 14/252,693 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissue. And I hereby agree for reincluding applications for	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers,
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And I hereby represent ar	ad warrant that I have not granted any rights inconsistent with the rights granted herein.
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or unbarrousitem of not in	ore man rive (5) years or both.
LEGAL NAME OF INVI	State of the state
Inventor: <u>Mohannad</u>	1 Hakeem Date: 4/2/2014
Signature:	Addem
Note: An Application Data	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
use an additional declaration	t form for each additional inventor.

PATENT REEL: 039722 FRAME: 0763

RECORDED: 09/13/2016