### 502546724 10/25/2013

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2592255

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE: ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
GOPICHANDRA SURNILLA	10/24/2013
MICHAEL HOWARD SHELBY	10/11/2013
JAMES ALFRED HILDITCH	10/17/2013
JASON WILLIAMS	10/17/2013

#### **RECEIVING PARTY DATA**

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Postal Code:	48126

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14063896

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	83391328
NAME OF SUBMITTER:	MAXFIELD FULTON

PATENT REEL: 031482 FRAME: 0758 171 OO OV 3 F

502546724

Signature:	/Maxfield Fulton/
Date:	10/25/2013
Total Attachments: 4 source=Executed Assignment 83391328#page1.tif source=Executed Assignment 83391328#page2.tif source=Executed Assignment 83391328#page3.tif source=Executed Assignment 83391328#page4.tif	

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Attorney Docket Number	83391328	3 1 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)

Title of Invention	METHODS AND SYSTEMS FOR ADJUSTING ENGINE AIRFLOW	
	BASED ON OUTPUT FROM AN OXYGEN SENSOR	
This declaration is direct	ed to:	
N There	tached application, or	
	States application or PCT international application number	
	filed on	
The above-identified app	slication 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.	
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 TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its s for the inventions and d name or names, or in minsert the serial/applicated 14/063,896  ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss and I hereby agree for 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 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 IN	7EX7Y>0	
Inventor: Gopicha	ndra Sumilla Daie: 10/24/2013	
Signature:		
1		
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.	
I not an appropriate application	ON SECULARS CORES CONTROL OF CAROLINA	

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Attorney Docket	Number	83391328	

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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.	
I believe that I am the	e original inventor or an original joint inventor of a claimed invention in the application.	
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 Dela hereinafter referred to interest, domestic and of the ASSIGNEE, it for the inventions and name or names, or in insert, the serial/app 14/063,896. ASSIGNEE, its sucapplications, in and to	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, to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and differences, 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 discoveries in any and all countries, entities and intergovernmental organizations, in its or their own and manne, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to dication number and filing date of the application to receive Letters Patent herein: Serial No	
And I hereby agree for myself, my heirs, successors, ussigns 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 n	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		
Inventor: <u>Mich</u> Signature: ///	ael Howard Shelby Date: 1971/17/2012 Land Manada Shellan	
Linguistan wa <u>ili Kirik</u> a		
	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form,	

Attorney Docke	et Number	83391328	
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# 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)

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This declaration is dir	ected to:
Uni	e attached application, or ited States application or PCT international 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,
I believe that I am the	original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part a	y 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 tional or PCT international filing date of the continuation-in-part application.
of the State of Delaw hereinafter referred to interest, domestic and of the ASSIGNEE, its for the inventions and name or names, or in insert the serial/applit 14/063,896 ASSIGNEE, its succ applications, in and to	chnologies, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws rare, 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 October 25, 2013 ), and I hereby sell, assign and set over to the essors, 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 ions claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, issue applications.
organizations, and to p	or 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 perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives a 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 no	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 Inventor: James	VENTOR Alfred Hildrich Date: 10/17/2013
Signature:	0.4014I
organitie.	
Note: An Application D Use an additional declara	ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. tion form for each additional inventor.

**RECORDED: 10/25/2013** 

Attorney Docket Number	83391328

## 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)

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This declaration is directed to:	
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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. 14/063,896 , Filing Date October 25, 2013 , 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 INV	
Inventor: <u>Jason W</u>	Illiams Date: 10/17/13
Signature: <u>Gus Wilso</u>	
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.	