PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Adam Nathan Banker	01/22/2013
Jeffrey Allen Doering	02/12/2013
Alex O'Connor Gibson	02/20/2013
Dennis Craig Reed	01/10/2013
David Oshinsky	01/07/2013

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:	13776315

CORRESPONDENCE DATA

Fax Number: 5034594142

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

503-459-4141 Phone: Email: filley@ahmrt.com

Correspondent Name: Alleman Hall McCoy Russell & Tuttle LLP

Address Line 1: 806 SW Broadway, Suite 600 Address Line 4: Portland, OREGON 97205

ATTORNEY DOCKET NUMBER: 83243222

NAME OF SUBMITTER: Samantha Filley

PATENT

REEL: 030155 FRAME: 0115

502299629

Signature:	/Samantha Filley/
Date: 04/04/2013	
Total Attachments: 5 source=ExecutedAssignment_83243222#pa source=ExecutedAssignment_83243222#pa source=ExecutedAssignment_83243222#pa source=ExecutedAssignment_83243222#pa source=ExecutedAssignment_83243222#pa	age2.tif age3.tif age4.tif

Attorney Docket Number	83243222	

RESPONSIVE TO EXTERNAL CONDITIONS		
This declaration is directed to:		
 ∑ The attached application, or United 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 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 13/776, 315, Filing Date February 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 intergovernmenta 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: Adam, Nathan Banker Date: 1/27/2013		
Signature: Wale Banker Date.		
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.		

Title of Invention

Attorney Docket Number	3 60043222	

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)

METHODS AND SYSTEMS FOR OPERATING A VEHICLE DRIVELINE

RESPONSIVE TO EXTERNAL CONDITIONS		
This declaration is directed to:		
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The above-identified application was made or authorized to be made by me.		
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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. 13/776,315		
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: Jeffrey Allen Doering // Date: 12 Feb 2013		
Signature: 4/1/2/2		
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.		

Attorney Docket Number	83243222	

THE OF THACHE	OH	RESPONSIVE TO EXTERNAL CONDITIONS	
This declaration is directed to:			
	United	tached application, or I States application or PCT international application numberfiled on	
The above-identif	ied app	plication was made or authorized to be made by me.	
I hereby state that including the claim	it I hav ms.	we reviewed and understand the contents of the specification in the above-identified application,	
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continuation-in-pa	art app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for discations, 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 D hereinafter referred interest, domestic of the ASSIGNEI for the inventions name or names, or insert the serial/a 13/776, 315 ASSIGNEE, its applications, in an armount of the State of December 2015 of the State of December 2015 of the State of December 2015 of	TECHI relaware relaware relaware and for the sum and dis relaware and dis relaware success and to the olication	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 e, 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 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own mame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————	
including applicat organizations, and	tions for I to per	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 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 repre	esent ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.	
I hereby acknowie or imprisonment o	dge that	at 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 O	F INV	ENTOR - / /	
		ENTOR onnor Gibson Date: 2/20/3	
Signature:		C Dika	
Note: An Applicati	on Data	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	83243222

Title of Invention	METHODS AND SYSTEMS FOR OPERATING A VEHICLE DRIVELINE RESPONSIVE TO EXTERNAL CONDITIONS
This declaration is direct	k
Tins accidiance in an ex-	
	tached application, or
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The above-identified app	plication 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 oblications, material information which became available between the filing date of the prior and 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. 13/776,315 , Filing Date February 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 warrant that I have not granted any rights inconsistent with the rights granted herein.
	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	TENTOR / //>
Inventor: <u>Dennis C</u>	traig Reed Date: ///)
Signature: 4— Cary S God	
	2
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

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Attorney Docket Number	83243222

	THODS AND SYSTEMS FOR OPERATING A VEHICLE DRIVELINE SPONSIVE TO EXTERNAL CONDITIONS
This declaration is directed to:	
	d application, or es application or PCT international application number filed on
The above-identified application	on was made or authorized to be made by me.
I hereby state that I have rev including the claims.	viewed 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 application	lose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ons, material information which became available between the filing date of the prior PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHNOLO of the State of Delaware, hav hereinafter referred to as the interest, domestic and foreign, of the ASSIGNEE, its success for the inventions and discove name or names, or in my name insert the serial/application in 13/776, 315 ASSIGNEE, its successors, applications, in and to the inventions	agreement heretofore made or by contractual obligation, I do sell, assign and set over unto OGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws ving its principal place of business at Dearborn, County of Wayne, and State of Michigan, ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and in and to the inventions and discoveries in the above-identified invention including the right sors, assigns or other legal representatives to make applications and to receive Letters Patent bries in any and all countries, entities and intergovernmental organizations, in its or their own te, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to number and filing date of the application to receive Letters Patent herein: Serial No, Filing Date February 25, 2013), and I hereby sell, assign and set over to the assigns or other legal representatives, all rights of priority, including any provisional entities and discoveries in any and all countries, entities and intergovernmental organizations amining benefit of the filing date hereof, continuations, continuations-in-part, divisionals, plications.
including applications for Lett organizations, and to perform	If, my heirs, successors, assigns or other legal representatives to execute any and all papers, ters Patent of any and all kinds and in any and all countries, entities and intergovernmental any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives thereto the rights herein sold, assigned and set over.
And I hereby represent and wa	arrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not more th	
LEGAL NAME OF INVENTO Inventor: <u>David Oshinsl</u>	
Signature: David A. D	v
Note: An Application Data Shee	et (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
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Use an additional declaration form for each additional inventor.

RECORDED: 04/04/2013