#### 502268133 03/14/2013

#### PATENT ASSIGNMENT

#### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
April Deneane Johnson	03/12/2013
Jason Michael Miller	03/08/2013
Gregory William Farrey	03/08/2013
John Dolinsky	03/08/2013
Paul Anthon Mueller	03/08/2013
Thomas Eric Svenson	03/08/2013
Charles Henry Nagi	03/08/2013
Medville J. Throop	03/11/2013
Brian David Tillman	03/08/2013

#### **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:	13803850

#### **CORRESPONDENCE DATA**

Fax Number: 3133227162

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

Phone: 248-358-4400

Email: jrichmond@brookskushman.com
Correspondent Name: BROOKS KUSHMAN P.C./FGTL

Address Line 1: 1000 TOWN CENTER

**PATENT** 

REEL: 029996 FRAME: 0001

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Address Line 2: 22ND FLOOR Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238				
ATTORNEY DOCKET NUMBER:	83337591			
NAME OF SUBMITTER:	Jody Richmond			
	This document serves as an Oath/Declaration (37 CFR 1.63).			
Total Attachments: 9 source=Assignment#page1.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif source=Assignment#page8.tif source=Assignment#page8.tif source=Assignment#page9.tif				

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Attorney Docket Number	83337591
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Title of Invention METHOD AND APPARATUS FOR MULTIPLE VEHICLE SOFTWARE MODULE REFLASH
This declaration is directed to:
X 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. 13/803,850
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
Signature: Ast 1/c Ast 1/c Ast 1/c
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 83337591	 	 

Title of Inventi	<ul> <li>METHOD AND APPARATUS FOR MULTIPLE VEHICLE SOFTWAI MODULE REFLASH</li> </ul>	₹E
This declaration i	lirected to:	
х П	The attached application, or filed on	
The above-identif	d application was made or authorized to be made by me.	-
I hereby state the including the claim	I have reviewed and understand the contents of the specification in the above-identified application.	on,
I believe that I am	he original inventor or an original joint inventor of a claimed invention in the application.	
continuation-in-pa	uty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including applications, material information which became available between the filing date of the presentational or PCT international filing date of the continuation-in-part application.	
FORD GLOBAL of the State of D hereinafter referred interest, domestic of the ASSIGNEI for the inventions name or names, of insert the serial/13/803,850 ASSIGNEE, its applications, in an including all approximations of the state of the stat	ployment agreement heretofore made or by contractual obligation, I do sell, assign and set over u ECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the la aware, having its principal place of business at Dearborn, County of Wayne, and State of Michig to 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 of in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney plication number and filing date of the application to receive Letters Patent herein: Serial I filing Date March 14, 2013 and I hereby sell, assign and set over to recessors, assigns or other legal representatives, all rights of priority, including any provision to the inventions and discoveries in any and all countries, entities and intergovernmental organizations claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionareissue applications.	aws gan, and ght ent to to the nai
including applicatorganizations, and	for 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 intergovernment of perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representative to secure thereto the rights herein sold, assigned and set over.	ntal
And I hereby repr	ent and warrant that I have not granted any rights inconsistent with the rights granted herein.	
	ge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by f not more than five (5) years or both.	ine
LEGAL NAME C		
Inventor: Jas Signature:	Michael Miller Date: OS 74/4/C/S	
	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this for aration form for each additional inventor.	rm.

Attorney Docket Number	 83337591		

Title of Inventi	on METHOD AND APPARATUS FOR MULTIPLE VEHICLE SOFTWARE MODULE REFLASH
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FORD GLOBAL of the State of D hereinafter referm interest, domestic of the ASSIGNEI for the inventions name or names, o insert the serial/13/803,850  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 elaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, ed 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 E, 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 application number and filing date of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————
including applicat 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 ary to secure thereto the rights herein sold, assigned and set over.
And I hereby repr	esent and warrant that I have not granted any rights inconsistent with the rights granted herein.
	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both.
LEGAL NAME C	
Inventor: Gr Signature:	Mary William Farrey Date: 3/8/2013
	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. claration form for each additional inventor.

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Attorney Docket Number	83337591	

METHOD AND APPARATUS FOR MULTIPLE VEHICLE SUFTWARE MODULE REFLASH
This declaration is directed to:
X 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. 13/803,850 , Filing Date March 14, 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 INVENTOR  2/4/22
Inventor: John Dolinsky Date: 3/8/2013
Signature: Jam Dolmary
Note: An Application Data Sheet (PTO/S\$/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 833	337591

Title of Inventi	ion METHOD AND APPARATUS FOR MULTIPLE VEHICLE SOFTWARI MODULE REFLASH	=
This declaration i		_
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X	The attached application, or United States application or PCT international application number	
ll	filed on	
The above-identity	fied application was made or authorized to be made by me.	
I hereby state the including the clai	at I have reviewed and understand the contents of the specification in the above-identified application ims.	<b>3</b> ,
I believe that I an	n the original inventor or an original joint inventor of a claimed invention in the application.	
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FORD GLOBAL of the State of D hereinafter referrinterest, domestic of the ASSIGNE for the inventions name or names, coinsert the serial/13/803,850  ASSIGNEE, its applications, in an including all appreexaminations are	employment 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 law Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan red to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and cand foreign, in and to the inventions and discoveries in the above-identified invention including the right. E, its successors, assigns or other legal representatives to make applications and to receive Letters Patents and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own or 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., Filing Date March 14, 2013 ), and I hereby sell, assign and set over to the successors, assigns or other legal representatives, all rights of priority, including any provisional to the inventions and discoveries in any and all countries, entities and intergovernmental organizations plications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals and reissue applications.	s i, d it is i, e il s i,
including applica organizations, and may deem necessi	ations for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmenta d to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ary to secure thereto the rights herein sold, assigned and set over.	I
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LEGAL NAME O	A CONTRACTOR OF THE CONTRACTOR	
Inventor: Pa	ud-Anthon Mueller Date: 3/8/2013	
Signature:	Jacl/Mulh_	
Marin R. A. B.	D. D. OTO ODA	
	tion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form eclaration form for each additional inventor.	

Attorney Docket Number	83337591
ARROTTES DUCKER NUMBER :	1 03337371

i itie oi inventio	METHOD AND APPARATUS FOR MULTIPLE VEHICLE SOFTWARE MODULE REFLASH
This declaration is	
	The attached application, or United States application or PCT international application number filed on
The above-identific	ed 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, as.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application,
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FORD GLOBAL TO of the State of De hereinafter referred interest, domestic a of the ASSIGNEE, for the inventions a name or names, or insert the serial/ap 13/803,850  ASSIGNEE, its stapplications, in and including all appli	nployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FECHNOLOGIES, 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, d 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 pplication number and filing date of the application to receive Letters Patent herein: Serial No.  —, Filing DateMarch14,2013
including applications, and	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 by 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.
or imprisonment of	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine not more than five (5) years or both.
LEGAL NAME OF	
Inventor: Tho	mas Eric Svenson Date: March 8, 2015
Signature:	trues & Some
Note: An Application Use an additional dec	n Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. laration form for each additional inventor.

### Please direct all correspondence to:

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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)

Title of Invention	MODULE REFLASH	IS FOR MULTIP	LE VEHICLE SOFTWARE
This declaration is	lirected to:	*	
	he attached application, or inited States application or PCT international filed on	application number	
The above-identifie	d application was made or authorized to be m	ade by me.	
I hereby state that including the claim	I have reviewed and understand the content	ts of the specification	in the above-identified application,
I believe that I am t	ne original inventor or an original joint invent	or of a claimed invention	on in the application.
continuation-in-pari	uty to disclose information which is material applications, material information which national or PCT international filing date of the	became available ben	ween the filing date of the prior
of the State of Del hereinafter referred interest, domestic as of the ASSIGNEE, for the inventions a name or names, or i insert the serial/ap 13/803,850 ASSIGNEE, its su applications, in and including all applications and	ployment agreement heretofore made or by ECHNOLOGIES, LLC, a Ford Motor Companyare, having its principal place of business to as the ASSIGNEE, its successors, assigned foreign, in and to the inventions and discoveries in any and all countries, entition my name, at its or their election (and I here plication number and filing date of the a Filing Date March 14, 201 ccessors, assigns or other legal representate the inventions and discoveries in any and sations claiming benefit of the filing date reissue applications.	any subsidiary, organizes at Dearborn, County as or other legal representatives in the above-identatives to make applicates and intergovernment eby authorize the ASSI application to receive and I hereatives, all rights of pall countries, entities as hereof, continuations,	ed and existing by virtue of the laws of Wayne, and State of Michigan, sentatives, the entire right, title and entified invention including the right eations and to receive Letters Patent tal organizations, in its or their own IGNEE or ASSIGNEE's attorney to Letters Patent herein: Serial No. eby sell, assign and set over to the priority, including any provisional and intergovernmental organizations, continuations-in-part, divisionals,
including application organizations, and t	for myself, my heirs, successors, assigns or ns for Letters Patent of any and all kinds an perform any and all acts which the ASSIG to secure thereto the rights herein sold, assig	ld in any and all countr NEE, its successors, as	ries entities and interconsermmental
And I hereby repres	ent and warrant that I have not granted any rig	thts inconsistent with th	ne rights granted herein.
or imprisonment of i	ge that any willful false statement made in the not more than five (5) years or both.	is declaration is punish	nable under 18 U.S.C. 1001 by fine
LEGAL NAME OF			2612
Inventor: Char	es Henry Nagi	Date:	5/8//3
Signature: <u>A</u>	louley 1/8/ag		
Note: An Application	Data Sheet (PTO/SB/14 or equivalent), including	g naming the entire inven-	tive entity, must accompany this form.

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Attorney Docket Number	[ 83337127]
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Title of Inventi	METHOD AND APPARATUS FOR MULTIPLE VEHICLE SOFTWARE MODULE REFLASH
This declaration i	directed to:
X	The attached application, or United States application or PCT international application number filed on
The above-identif	ed application was made or authorized to be made by me.
I hereby state the including the claim	I have reviewed and understand the contents of the specification in the above-identified application, is.
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LEGAL NAME (	
Inventor: M	dville J. Throop Date: Morch U 2013
Signature: <u> </u>	<u> </u>
	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

**RECORDED: 03/14/2013** 

Attorney Docket Number	83337591

## 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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LEGAL NAME OF INVENTOR			
Inventor: Brian David Tillman Date: 12748CH & ZO13			
Signature: Data D. 10 1720—			
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.			