PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3914861

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK STEVEN YAMAZAKI	06/08/2016
SCOTT JAMES THOMPSON	06/08/2016
JOSHUA NICHOLAS DEWALT	06/08/2016
RAJIT JOHRI	06/09/2016

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC	
Street Address:	330 TOWN CENTER DRIVE	
Internal Address:	FAIRLANE PLAZA SOUTH, SUITE 800	
City:	DEARBORN	
State/Country:	MICHIGAN	
Postal Code:	48126	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15180346

CORRESPONDENCE DATA

Fax Number: (248)358-3351

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: (248)358-4400

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

Address Line 1: 1000 TOWN CENTER

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER: 83667633	
NAME OF SUBMITTER: MARC F. MALOOLEY	
SIGNATURE:	/Marc F. Malooley/
DATE SIGNED: 06/13/2016	

Total Attachments: 4



Please direct all correspondence to: 28395

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Attorney Docket Number	

## 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	SYSTEM AND	METHOD	FOR	CONTROLLIN	G A	VEHICLE
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This declaration is direct	ed to:					
United	ttached application, or I States application or PCI filed on			umber he insertion of the ap	plication	filing date and
number into this form w	hen they become known.)					
The above-identified app	olication was made or auth	orized to be mad	e by me.			
I hereby state that I has including the claims.	ve reviewed and understa	nd the contents	of the spe	cification in the abov	e-identifi	ied application,
I believe that I am the or	iginal inventor or an origin	nal joint inventor	of a claim	ed invention in the ap	plication.	
continuation-in-part app	o disclose information who blications, material informal or PCT international fi	nation which be	came ava	ilable between the		
FORD GLOBAL TECH 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 15/180,346  ASSIGNEE, its succes applications, in and to the	ment agreement heretoford INOLOGIES, LLC, a Ford re, having its principal places the ASSIGNEE, its successors, assigns or other iscoveries in any and all color y name, at its or their electron number and filing, Filing Date issors, assigns or other is inventions and discovering claiming benefit of the successors.	Motor Company ace of business a cessors, assigns ions and discove r legal representation (and I hereb date of the appune 13, 20 egal representation ies in any and al	subsidiar at Dearbor or other leading to ries in the stives to mand intergonal y authorizablication to 16 ), ves, all rid I countries	y, organized and exist n, County of Wayne, egal representatives, to above-identified inveake applications and overnmental organizate the ASSIGNEE or a not receive Letters Parand I hereby sell, as ights of priority, incl., entities and intergor	ting by vin and State the entire ention include to receive tions, in it ASSIGNE atent here usign and cluding a vernmenta	rtue of the laws te of Michigan, right, title and luding the right e Letters Patent its or their own E's attorney to ein: Serial No. set over to the any provisional al organizations
including applications for organizations, and to pe	myself, my heirs, success- or Letters Patent of any ar- rform any and all acts wh- secure thereto the rights he	nd all kinds and ich the ASSIGN	in any and EE, its suc	d all countries, entities cessors, assigns or of	s and into	ergovernmental
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					10	12016
Inventor: Mark Ste	even Yamazaki			Date:	4	1200
Signature:	Yan Ay	A			·	
Note: An Armlication Visi	ta Sheet (PTO/SB/14 or equi-	valent), including	aming the	entire inventive entity	must acco	moany this form
	on form for each additional in		roming, the	warmen are confer of despitation	INCHES CONTRACTOR	imposity with aveile.

Attorney Docket Number	83667633
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## 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		OR CONTROLLI	ING A VEHICLE
	POWERTRAIN		<i>,,,,,,,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
This declaration is direct	ed to:		
T United	tached application, or I States application or PCT international applica- filed on (I hereby author)	tion number rize the insertion of the	application filing date and
number into this form wh	ien they become known.)		
The above-identified app	dication 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	e specification in the al	bove-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 patellications, material information which becamed or PCT international filing date of the conti	e available between th	e filing date of the prior
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its a for the inventions and delayer name or names, or in means or in the serial/applications.  ASSIGNEE, its success applications, in and to distributing all application reexaminations and reiss  And I hereby agree for including applications if organizations, and to pe	ment agreement heretofore made or by contra NOLOGIES, LLC, a Ford Motor Company sulte, having its principal place of business at D is the ASSIGNEE, its successors, assigns or origin, in and to the inventions and discoveries accessors, assigns or other legal representative iscoveries in any and all countries, entities and y name, at its or their election (and I hereby audion number and filing date of the applications, Filing Date	sidiary, organized and exarborn, County of Way ther legal representative in the above-identified is to make applications a intergovernmental organitiorize the ASSIGNEE of the continuations, and I hereby sell, all rights of priority, antries, entities and interf, continuations, continuations, continuations, and all countries, entities and interf, continuations, continuations, continuations, and all countries, entities successors, assigns or	xisting by virtue of the laws ne, and State of Michigan, s, the emire right, title and nvention including the right nd to receive Letters Patent nizations, in its or their own or ASSIGNEE's attorney to Patent herein: Serial No., assign and set over to the including any provisional governmental organizations uations-in-part, divisionals, execute any and all papers, titles and intergovernmental
And I hereby represent	and warrant that I have not granted any rights in	consistent 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		7.	7070 n. i i
Inventor: Scott Jar	nes Thompson	Date:	<u> </u>
Signature:			
	ta Sheet (PTO/SB/14 or equivalent), including nam on form for each additional inventor.	ng the entire inventive enti	ty, must accompany this form.

Attorney Docket Number	83667633

# 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	SYSTEM AND METHOD FOR CONTROLLING A VEHICLE				
C235 2	POWERTRAIN				
This declaration is direct	led to:				
United	X The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and				
number into this form wh	hen they become known.)				
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	riginal inventor or an original joint inventor of a claimed invention in the application.				
continuation-in-part app	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 onal 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. 15/180,346 , Filing Date					
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	VENTOR / / / / / / /				
	Nicholas DeWalt Date: 6/8/6				
Signature: Japhuaz	Nicholas DWS				
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form form for each additional inventor.				

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Attorney Docket Number	1-8309/933
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### 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	SYSTEM AND POWERTRAIN	METHOD	FOR	CONTROLLING	A VEHICLE
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.					
**	ve reviewed and understa			cification 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.					
I am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.36, 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 aitorney to insert the serial/application number and filing date of the application to receive Letters Patent herein: Serial No. 15/180,346 , Filing Date					
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				Date: <u>6/9</u>	12016
		***************************************	polymo.		
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Note: An Application Dat	a Sheet (PTO/SB/14 or equ	nivatent), including	naming the	entire inventive entity, m	ust accompany this form.

PATENT REEL: 038896 FRAME: 0569

**RECORDED: 06/13/2016**