503417939 07/31/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3464573

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDWIN OLSON	07/28/2015
ENRIC GALCERAN	07/23/2015
RYAN M. EUSTICE	07/27/2015
JAMES ROBERT MCBRIDE	07/23/2015

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	300 TOWN CENTER DRIVE, SUITE 800
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126
A.I.	THE DECENTS OF THE UNIVERSITY OF MICHIGAN, OFFICE OF
Name:	THE REGENTS OF THE UNIVERSITY OF MICHIGAN, OFFICE OF TECHNOLOGY TRANSFER
Street Address:	
	TECHNOLOGY TRANSFER
Street Address:	TECHNOLOGY TRANSFER 1600 HURON PARKWAY, 2ND FLOOR

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14814856

CORRESPONDENCE DATA

Fax Number:

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: 313-528-4882
Email: docket@bvbip.com

Correspondent Name: BEJIN BIENEMAN PLC FORD GLOBAL TECHNOLOG

Address Line 1: 300 RIVER PLACE

Address Line 2: SUITE 1650

Address Line 4: DETROIT, MICHIGAN 48207

ATTORNEY DOCKET NUMBER: | 83542499(65080-1623)

NAME OF SUBMITTER:	MICHAEL J. MCCANDLISH	
SIGNATURE:	/MICHAEL J. MCCANDLISH/	
DATE SIGNED:	07/31/2015	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 7

source=83542499(65080-1623) Declaration and Assignment (McBride) signed 7-23-2015#page1.tif source=83542499(65080-1623) UM Assignment (Eustice) as signed 7-27-2015#page1.tif source=83542499(65080-1623) UM Assignment (Eustice) as signed 7-27-2015#page2.tif source=83542499(65080-1623) UM Assignment (Galceran) signed 7-23-2015#page1.tif source=83542499(65080-1623) UM Assignment (Galceran) signed 7-23-2015#page2.tif source=83542499(65080-1623) UM Assignment (Olson) as signed 7-28-2015#page1.tif source=83542499(65080-1623) UM Assignment (Olson) as signed 7-28-2015#page2.tif

Please direct all correspondence to: 113140

Attorney Docket Number	83542499(65080-1623)

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 Inventi	na FIELD-BASED TORQUE STEERING CONTROL			
This declaration is	This declaration is directed to:			
	The attached application, or United States application or PCT international application number filed on			
The above-identif	ied application was made or authorized to be made by me.			
I hereby state the including the claim	at 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.			
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.				
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 (
Inventor: la Signature: la	mes Robert McBride Date: 7/23/2015			
*				
	ion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, eclaration form for each additional inventor.			

ASSIGNMENT

Serial No:

Filed:

Title:

FIELD-BASED TORQUE STEERING CONTROL

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, each of the undersigned hereby assigns to THE REGENTS OF THE UNIVERSITY OF MICHIGAN, Office of Technology Transfer, 1600 Huron Parkway, 2nd Floor, Ann Arbor, Michigan 48109-2590 and its successors and assigns ("Assignee") the entire right, title and interest in and to the patent rights of such undersigned disclosed in the application listed above, and in any and all applications claiming priority thereto, including any continuation, continuation-in-part, divisional, re-examination, reissue or prolongation thereof, and in any and all other applications anywhere in the world which the undersigned may file and/or be named as an inventor of, solely or jointly, on said patent rights, in any and all patents which may be obtained on any of said applications and in any and all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates and/or extensions thereof, including without limitation, the right to bring suit and to claim and retain all damages and/or seek other remedies for the past, present and future infringement of any of the foregoing, the right of priority, including without limitation to claim priority benefit of or to said patent applications, and request the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of the Assignee.

Each of the undersigned authorizes the attorneys of record in the application listed above to insert in this assignment the filing date and application number of the application listed above when officially known.

Each of the undersigned states that the application listed above is or was made or authorized to be made by him or her. Each of the undersigned believes himself or herself to be the original inventor or an original joint inventor of a claimed patent rights in the application listed above. Each of the undersigned acknowledges that any willful false statement made by him or her in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in favor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned.

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all applications on said patent rights, including without limitation for the reissue, reexamination, supplementary protection certificate or extension thereof and any oath, declaration or affidavit relating thereto that said Assignee may deem necessary or expedient, and to cooperate to the best of the ability of

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the undersigned with and perform any and all affirmative acts requested by Assignee to prepare, file, prosecute, maintain, defend, enforce and vest in Assignee the rights, title and interests assigned herein, including without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, title and interests will be held and enjoyed by said Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

On behalf of Assignee,	Maryann Kostiuk	
-	Name	
	Patent Administrator	
	Title	WWW.WWW.WW.WW.WW.WW.WW.WW.WW.WW.WW.WW.W
hereby confirms Assignee's	acceptance of all rights, privileges	s, title and interests conveyed by this assignment.
		SARAGARARARARARARARARARARARARARARARARARA
	Signature	Date
سر اسراس	a	0 1 -
Date: 7 27 2018	Signature: 📿	M Purity Ryan M. Eustice
		Ryan M. Eustice
Date:	Signature:	
		Enric Galceran
Date:	Signature:	
		Edwin Olson

ASSIGNMENT

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Filed:

Title: FIELD-BASED TORQUE STEERING CONTROL

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Except in favor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned.

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all applications on said patent rights, including without limitation for the reissue, reexamination, supplementary protection certificate or extension thereof and any oath, declaration or affidavit relating thereto that said Assignee may deem necessary or expedient, and to cooperate to the best of the ability of

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the undersigned with and perform any and all affirmative acts requested by Assignee to prepare, file, prosecute, maintain, defend, enforce and vest in Assignee the rights, title and interests assigned herein, including without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, title and interests will be held and enjoyed by said Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

On behalf of Assignee,	Maryann Kostiuk			
	Name			
	Patent Administrator			
	Title		_	
hereby confirms Assignee's	acceptance of all rights, privileges	, title and interests conveyed by this assignment		
	Signature	Date	-	
Date:	Signature:	Ryan M. Eustice		
D 1 20 2017		mu James		
Date: July 23, 2015	Signature:	Enric Galceran		
Date:	Signature:	Edwin Olson		
		Edwin Olson		

ASSIGNMENT

Serial No:

Filed:

Title: FIELD-BASED TORQUE STEERING CONTROL

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On behalf of Assignee,	nalf of Assignee, Maryann Kostiuk			
	Name	Name		
	Patent Administrator			
	Title			
hereby confirms Assignee's	acceptance of all rights, privilege	es, title and interests conveyed by this assignment.		
	Signature	Date		
Date:	Signature:			
		Ryan M. Eustice		
Date:	Signature:			
Date.	Signature.	Enric Galceran		
1-21-22				
Date: 7/28/2015	Signature:	entre		
*		Edwin Olson		