504608309 10/24/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4655022

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE: ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ		
	Ν	lame	Execution Date
CORY BENSON LARO	CHE		10/16/2017
BRADLEY DEAN RIEDLE		10/24/2017	
JIANPING ZHANG			10/14/2017
KENDRICK MORRISO	N		10/23/2017
KENNETH EDWARD SOVEL		10/18/2017	
RECEIVING PARTY D		AL TECHNOLOGIES, LLC	
Street Address:	_	AZA SOUTH, SUITE 800	
Internal Address:	330 TOWN CENTER DRIVE		
City			

City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15791729

CORRESPONDENCE DATA

	to the	358-3351 e-mail address first; if that is unsuccessful, it will be sent nat is unsuccessful, it will be sent via US Mail.
Phone:	248-3	358-4400
Email:	dhays	s@brookskushman.com
Correspondent Name:	BRO	OKS KUSHMAN P.C./FGTL
Address Line 1:	1000	TOWN CENTER
Address Line 2:	22NC	FLOOR
Address Line 4:	SOU	THFIELD, MICHIGAN 48075-1238
ATTORNEY DOCKET NUMBER	: :	83871009
NAME OF SUBMITTER:		REID A. BALDWIN
SIGNATURE:		/Reid A. Baldwin/
DATE SIGNED:		10/24/2017

Total Attachments: 5

source=FMC7780PUSP_Assignment#page1.tif source=FMC7780PUSP_Assignment#page2.tif source=FMC7780PUSP_Assignment#page3.tif source=FMC7780PUSP_Assignment#page4.tif source=FMC7780PUSP_Assignment#page5.tif

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 INPUT TORQUE CONTROL DURING TRANSMISSION SHIFT
This declaration is directed to:
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 when they become known.)
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. 15/791,729
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
Inventor: <u>Corv Benson LaRoche</u> Date: <u>10/16/17</u> Signature:
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.

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FORD GLOBAL TECH of the State of Delawan hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its su for the inventions and di name or names, or in my insert the serial/applica 15/791,729 ASSIGNEE, its success applications, in and to th including all application reexaminations and reiss	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, is 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 name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to tion number and filing date of the application to receive Letters Patent herein: Serial No	
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.		
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or imprisonment of not n	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 OF INV		
Inventor: <u>Bradley [</u> Signature:	Dee <u>n Riedle</u> Date: <u>2/2/2017</u> 2/2/2	
a and the second se		
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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 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: Scrial No. 15/791,729 , Filing Date October 24, 2017), 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 for the applications, in 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 any provisional 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 ASSIONEE, 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: Jianping Zhang Date: 10/14/2017			
Signature; Statury			
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.			

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FORD GLOBAL TECH of the State of Delaward hereinafter referred to as interest, domestic and fo of the ASSIGNEE, its at for the inventions and di name or names, or in my insert the serial/applical 15/791,729 ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss			
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.			
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or imprisonment of not m	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 OF INV			
Inventor: Kendrick	Morrison Date: 10-23-2017		
Signature:	n Kennen and and		
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. n form for each additional inventor.		

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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.			
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LEGAL NAME OF INVE	NTOR		
Inventor: <u>Kenneth E</u>	dward Sovel Date: / 0/18/2017		
Signature:	asterpel		
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional investor.		

PATENT REEL: 043935 FRAME: 0978

RECORDED: 10/24/2017