PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5191066

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HUIZHU CRYSTAL WANG	10/08/2018
JOSHUA DANIEL LYON	10/08/2018
MOHAMMAD ABOUALI	10/08/2018
QIANYI WANG	09/15/2018

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:	16160606

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: svachon@brookskushman.com
Correspondent Name: BROOKS KUSHMAN P.C.

Address Line 1: 1000 TOWN CENTER, 22ND FLOOR Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	84049025	
NAME OF SUBMITTER:	ITTER: BERNARD P. TOMSA	
SIGNATURE:	/Bernard P. Tomsa/	
DATE SIGNED:	10/16/2018	

Total Attachments: 4

source=FMC8963PUS_Assignment#page1.tif

PATENT REEL: 047185 FRAME: 0362

505144300

source=FMC8963PUS_Assignment#page2.tif source=FMC8963PUS_Assignment#page3.tif source=FMC8963PUS_Assignment#page4.tif

Please direct all correspondence to: 28395

**************************************	**************************************
Attorney Docket Number	84049025

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	METHOD AN ROUTING	D APPARATUS	FOR T	UNABLE	MULTI-VEHICLE
This declaration is directed	d to:				
United	filed on	PCT international appli		tion of the ap _l	plication filing date and
number into this form wh	en they become know	/n.)			
The above-identified appl	ication was made or	authorized to be made b	y me.		
I hereby state that I have including the claims.	e reviewed and unde	erstand the contents of	the specificatio	on in the above	e-identified application,
I believe that I am the orig	ginal inventor or an o	riginal joint inventor of	a claimed inven	ntion in the app	olication.
I am aware of the duty to continuation-in-part appl application and the nation	ications, material in	formation which beca	me available b	petween the fi	
Pursuant to my employm FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dis name or names, or in my insert the serial/applicat 16/160,606	NOLOGIES, LLC, a F , having its principal the ASSIGNEE, its eign, in and to the im- eccessors, assigns or coveries in any and a name, at its or their community, Filing Date Covering Da	Ford Motor Company standard Motor Company standard I place of business at I successors, assigns or ventions and discoverie other legal representatival countries, entities an election (and I hereby a long date of the applic October 15, 2018	absidiary, organication, Country other legal representation of the above-ies to make apply dintergovernment of the AS ation to receive), and I h	ized and existing of Wayne, resentatives, the dentified invertigations and the tental organizates IGNEE or Ave Letters Patereby sell, assistant of the control of the contr	ing by virtue of the laws and State of Michigan, he entire right, title and nation including the right o receive Letters Patent tions, in its or their own SSIGNEE's attorney to tent herein: Serial No. sign and set over to the
ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu	ors, assigns or othe inventions and disco s claiming benefit o	er legal representatives overies in any and all co	s, all rights of ountries, entities	f priority, incl s and intergove	luding any provisional ernmental organizations
And I hereby agree for mincluding applications for organizations, and to perform any deem necessary to se	Letters Patent of an form any and all acts	y and all kinds and in which the ASSIGNEE	any and all cou, its successors,	antries, entities	and intergovernmental
And I hereby represent an	d warrant that I have	not granted any rights i	neonsistent with	the rights gra	nted herein.
I hereby acknowledge that or imprisonment of not me			claration is pun	nishable under	18 U.S.C. 1001 by fine
LEGAL NAME OF INVE				Ø) A	0
Inventor: <u>Huizhu Cr</u>	ystal Wang		Date:	L ROU	8,008
Signature:		A-			DOMESTIC OF THE PROPERTY OF TH
Note: An Application Data	*	•	ing the entire inv	ventive entity, n	nust accompany this form.

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	METHOD ROUTING	AND	APPARATUS	FOR	TUNABLE	MULTI-VEHICLE
This declaration is directed		***************************************		Kafanasandanasan	AND WARE THE PERSON NAMED IN THE PERSON NAMED	WAR AND THE PARTY OF THE PARTY
United	filed on	on or PCT	Γ international applica (I hereby author	tion numb	er sertion of the ap	plication filing date and
number into this form wh	en they become	known.)				
The above-identified appl	lication was mad	le or auth	orized to be made by	me.		
I hereby state that I have including the claims.	e reviewed and	understa	nd the contents of th	e specific	ation in the abov	e-identified application,
I believe that I am the ori	ginal inventor or	an origin	nal joint inventor of a	claimed in	evention in the app	plication.
I am aware of the duty to continuation-in-part appl application and the nation	lications, materi	al inform	nation which became	e availabl	e between the f	
Pursuant to my employm FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and disname or names, or in my insert the serial/applicat 16/160,606 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all application reexaminations and reissuant content in the including all applications.	NOLOGIES, LLC, having its print the ASSIGNEE reign, in and to the ccessors, assigns acoveries in any name, at its or the complete reign number and print pri	C, a Ford noipal pla E, its successive successive and all conferred diffing the conferred other lediscoverified for the discoverificate.	Motor Company substace of business at Decessors, assigns or of lons and discoveries in legal representatives ountries, entities and it in (and I hereby aut date of the applicat ober 15, 2018 egal representatives, ies in any and all cou	sidiary, or, arborn, Co her legal in the above to make a intergover horize the ion to rec	ganized and exist ounty of Wayne, representatives, the ve-identified inversapplications and the mental organizar ASSIGNEE or Accive Letters Para I hereby sell, assert of priority, incities and intergov	ing by virtue of the laws and State of Michigan, he entire right, title and ntion including the right to receive Letters Patent tions, in its or their own ASSIGNEE's attorney to tent herein: Serial No. sign and set over to the cluding any provisional rernmental organizations
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 an	d warrant that I	have not	granted any rights inc	onsistent v	with the rights gra	inted herein.
I hereby acknowledge that or imprisonment of not m				aration is	punishable under	18 U.S.C. 1001 by fine
LEGAL NAME OF INVE					. / .	
Inventor: Joshua Da	niel Lyon			D	ate: <u>(0/08</u>	/2018
Signature:						
Note: An Application Data Use an additional declaration				g the entire	e inventive entity, r	nust accompany this form.

Attorney Docket Number	84049025

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	METHOD ROUTING	AND	APPARATUS	FOR	TUNABLE	MULTI-VEHICLE
This declaration is direct	ed to:		The second secon			######################################
X The at	tached application States application filed on	on or PCT	l' international applica			plication filing date and
	•	,				
The above-identified app						
I hereby state that I hav including the claims.	e reviewed and	understa	nd the contents of the	e specific	ation in the abov	e-identified application,
I believe that I am the ori	ginal inventor or	r an origin	nal joint inventor of a	claimed in	vention in the app	plication.
I am aware of the duty to continuation-in-part application and the nation	lications, materi	ial inforn	nation which became	e availabl	e between the f	.F.R. 1.56, including for iling date of the prior
Pursuant to my employm FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and disname or names, or in my insert the serial/applicat 16/160,606 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu	NOLOGIES, LLC c, having its print the ASSIGNEE reign, in and to the eccessors, assigns accoveries in any name, at its or the ion number and, Filing Da ors, assigns or the inventions and s claiming bene	C, a Ford neipal pla 2, its successive the invent so or other and all countries of filing ate Octological other lediscoveri	Motor Company substace of business at Descessors, assigns or of ions and discoveries in legal representatives ountries, entities and ition (and I hereby autidate of the application 15, 2018 egal representatives, ies in any and all courses of the substaction.	sidiary, orgarborn, Coher legal in the above to make a intergover the ion to reconstant all rights ntries, entited	ganized and existicularly of Wayne, representatives, the representatives, the representatives applications and the representations and the representation of priority, incities and intergover.	ing by virtue of the laws and State of Michigan, he entire right, title and ntion including the right to receive Letters Patent tions, in its or their own ASSIGNEE's attorney to tent herein: Serial No. sign and set over to the luding any provisional ernmental organizations
And I hereby agree for n including applications for organizations, and to peri may deem necessary to se	r Letters Patent of form any and all	of any an acts whi	nd all kinds and in an ich the ASSIGNEE, it	y and all of	countries, entities	and intergovernmental
And I hereby represent an	d warrant that I l	have not g	granted any rights inco	onsistent v	vith the rights gra	nted herein.
I hereby acknowledge that or imprisonment of not me	ore than five (5)			aration is p	punishable under	18 U.S.C. 1001 by fine
LEGAL NAME OF INVE	* *				•	
Inventor: Mohamma	d Abouali	***************************************	resultant succession and the suc	Da	ate: <u>10/0</u>	08/2018
Signature:	to manage					
Note: An Application Data	Sheet (PTO/SD/I	A or anii	mlant) including namin.	a thá anti-a	invantiva antini m	ougt goognamer this form
Use an additional declaration				s me emne	шчениче епику, п	iusi accompany inis form.

Attorney Docket Number	84049025

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	METHOD ROUTING	AND	APPARATUS	FOR	TUNABLE	MULTI-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.						
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. 16/160,606 Filing Date October 15, 2018 , 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 INV Inventor: <u>Qianyi W</u>				Ľ	Date: <u>09/</u>	15/218
Signature: Que	in Wang	MONTH TO THE				
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including running the entire inventive entity, must accompany this form.						
Use an additional declaration form for each additional inventor.						

PATENT REEL: 047185 FRAME: 0367

RECORDED: 10/16/2018