PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4805087

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AHMED MOHAMED	01/30/2018
DAVID MICHAEL RUSSELL	01/11/2018
RUSS LEE NORTON	01/11/2018
TIMOTHY PANAGIS	01/09/2018
CHRISTOPHER JAMES DEAN	01/09/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15884053

CORRESPONDENCE DATA

Fax Number: (312)580-9696

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: 312-580-1020

Email: hshamat@hfzlaw.com

Correspondent Name: HANLEY, FLIGHT & ZIMMERMAN, LLC

Address Line 1: 150 SOUTH WACKER DRIVE

Address Line 2: SUITE 2200

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	83885984
NAME OF SUBMITTER:	MARIANNE BUCKLEY
SIGNATURE:	/Marianne Buckley/
DATE SIGNED:	02/01/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT

REEL: 044799 FRAME: 0250

Total Attachments: 5 source=83885984_Assignment-Declarations_All#page1.tif source=83885984_Assignment-Declarations_All#page2.tif source=83885984_Assignment-Declarations_All#page3.tif

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Attorney Docket Number 20305/83885984	

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 Invent	ion	METHODS /		APP/	ARATUS	FOR	OPTIMIZING	VEHICLE	RIDE
This declaration	is direct	ed to:	************	•••••••••••		•••••			
		tached application, I States application					iher	>	
The above-ident	ified app	dication was made o	r auth	orized to	be made by	me.			
I hereby state the including the cla	at I ha ims.	re reviewed and ur	idersta	nd the c	ontents of t	he specif	ication in the abo	ve-identified ap	plication.
I believe that I as	m the or	iginal inventor or a	origi	nal joint i	nventor of a	claimed	invention in the ap	plication.	
continuation-in-	oart app	o disclose informati dications, material nal or PCT internati	infor	nation w	hich becan	ne availa	ble between the	filing date of	nding for the prior
FORD GLOBAI of the State of I hereinafter refer interest, domesti of the ASSIGNI for the invention name or names, insert the serial 15/884,053 ASSIGNEE, its applications, in a	TECH Delawar red to a c and ic E, its s is and d or in m /applica succes and to if oplicatio	ment agreement her NOLOGIES, LLC, e, having its princi s the ASSIGNEE, reign, in and to the uccessors, assigns of scoveries in any an y name, at its or the tion number and, Filing Date sors, assigns or o ne inventions and di us claiming benefi us applications.	a Force pal plates successor inventor other distriction in election in Ja ther lescover	i Motor (ace of bu cessors, tions and r legal re countries, tion (and date of nuary 30 egal repr ries in an	Company substiness at D assigns or of discoveries appresentative entities and I hereby at the applies 2018 resentatives, y and all co	bsidiary, carborn, other lega in the ab s to mak intergov athorize ti tion to	organized and exist County of Wayne of representatives, sove-identified inverse applications and ernmental organizate ASSIGNEB or receive Letters Pad I hereby sell, auts of priority, in ntities and intergore	ting by virtue of and State of a the entire right, ention including to receive Lette ations, in its or the ASSIGNEE's attent herein: Sessign and set on cluding any premmental organical and organical and set on the entitle organical and the entitle organical organica	f the laws vichigan, title and the right ers Patent their own tromey to erial No. For the rovisional mizations
including applic organizations, as	ations fo ad to pe	myself, my heirs, s or Letters Patent of rform any and all a ecure thereto the rig	any a cts wh	nd all kit iich the A	nds and in a ASSIGNEE,	my and a its succe	ll countries, entitis ssors, assigns or o	es and intergove	emmental
And I hereby rep	wesent e	nd warrant that I ha	ve not	granted :	any rights in	consister	it with the rights gr	anted herein.	
		iat any wiliful false nore than five (5) yi			e in this dec	daration	is punishable unde	r 18 U.S.C. 100	1 by fine
LEGAL NAME	OF INV	ENTOR					8 2		
Inventor:	Ahme	d Mohamed	7**				Date: 1/3°	(2018_	
Signature: 🗸	42		<u></u>	organisation (in	<u> </u>	***************************************			
Note: An Applic Use an additional	zion Dat declarati	a Sheet (PTO/SR/14) in form for each addit	or equi	valent), in	ichiding nam	ng the em	ire inventive entity.	must accompany	this form.

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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 Inventi	ion METHODS AND PERFORMANCE	APPARATUS	FOR OPTIN	MIZING VEHICLE	RIDE
This declaration i	s directed to:				
	The attached application, or United States application or PC	T international applicati filed on	on number	: 	
The above-identit	fied application was made or auth	orized to be made by n	ie.		
I hereby state the including the claim	at I have reviewed and understams.	nd the contents of the	specification in	the above-identified app	fication,
I believe that I an	n the original inventor or an origin	nal joint inventor of a c	laimed invention	in the application.	***************************************
commutation-in-pa	duty to disclose information whart applications, material informenational or PCT international fi	nation which became	available between	en the filing date of the	ding for te prior
of the State of Daniereinafter referred interest, domestic of the ASSIGNEF for the inventions name or names, or insert the serial/a 15/884.052 ASSIGNEE, its sapplications, in an including all applications and And I hereby agree.	mployment agreement heretofor. TECHNOLOGIES, LLC, a Ford elaware, having its principal placed to as the ASSIGNEE, its successors, assigns or other and discoveries in any and all or in my name, at its or their elect application number and filing filing pate Jan successors, assigns or other led to the inventions and discover lications claiming benefit of the dreissue applications. The for myself, my heirs, successors for Letters Patent of any and applications of any and any are successors.	Motor Company subsince of business at Dear cessors, assigns or other ions and discoveries in legal representatives to countries, entities and intion (and I hereby authorated of the application and presentatives, a less in any and all countries in any any any and all countries in any any any any any any any any any an	diary, organized a chorn, County of er legal represent the above-idention make application to receive Lamber and I hereby li rights of pricties, entities and continuations, continuations, continuations	and existing by virtue of a wayne, and State of Mattives, the entire right, affect invention including a son and to receive Letter organizations, in its or the NEE or ASSIGNEE's attesters Patent herein: See y sell, assign and set overity, including any profit intergovernmental organizations-in-part, dives to execute any and all	the laws lichigan, title and the right is Patent neir own omey to rial. No, er to the existents istends, as a law, as a law, a l
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 repre	sent and warrant that I have not j	granted any rights inco	nsistent with the	rights granted herein.	
	lge that any willful false statem not more than five (5) years or l		ation is punishal	ble under 18 U.S.C. 1001	by fine
EGAL NAME OF			igeo .	Water Straw Land	
rventor:	David Michael Russell		Date: _	<u> 110001306 </u>	
ignature:	and Malue Riv	***			
	n Data Sheet (PTO/SB/14 or equiv		the entire inventiv	ve entity, must accompany	this form.

Please direct all correspondence to:

Attorney Docket Number 2	20305/83885984

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 Inventio	n METHODS AND APPARATUS FOR OPTIMIZING VEHICLE RIDE PERFORMANCE		
This declaration is	directed to:		
	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	t I have reviewed and understand the contents of the specification in the above-identified application. ns.		
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.		
continuation-in-par	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for rt applications, material information which became available between the filing date of the prior enational 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. 15/884,053 , Filing Date January 30, 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 O			
Inventor:	Russ Lee Norton Date:		
Signature:			
	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form relatation 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, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

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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. 15/884.053 5. Filing Date January 30, 2018 6. 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	ENTOR TA	
Inventor: <u>Timot</u>	hy Panagis Date: SAN - S	
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.		

Please direct all correspondence to:

Attorney Docket Number	20305/83885984

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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.		
And Uhereby 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 IN	VENTOR. $G = TA\sqrt{-2018}$	
Inventor: Chris	stopher James Dean Date:	
Signature:		
Note: An Application D Use an additional declaration	ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, tion form for each additional inventor.	

PATENT REEL: 044799 FRAME: 0256

RECORDED: 02/01/2018