PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6235440

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM DEAN	03/05/2020
RICHARD A. KREDER	03/06/2020
WILLIAM S. GULKER	03/06/2020
CHRIS MURRAY	03/05/2020
IBAA AL HAYEK	03/05/2020
NEWTON A.G. FILHO	03/05/2020

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:	16945678

CORRESPONDENCE DATA

Fax Number: (404)853-8806

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.

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Email: KristalBoddie@eversheds-sutherland.com

Correspondent Name: KRISTAL BODDIE

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ATTORNEY DOCKET NUMBER:	84239405 (35136-1578)
NAME OF SUBMITTER:	KRISTAL BODDIE
SIGNATURE:	/Kristal Boddie/
DATE SIGNED:	08/05/2020

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Total Attachments: 6

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Attorney Docket Number	84239405

Title of Invention	VEHICLES	METHODS	FOR MITI	GATING	WIND	THROB	IN
This declaration is direct	ed to:						
United	tached application, or I States application or PCT filed on	Γ international app (I hereby a	olication number otherize the inse	r ertion of the	applicatio	n filing date	and
number into this form w	filed onhen they become known.)	4			* 1		
The above-identified app	olication was made or auth	orized to be made	by me.				
I hereby state that I had including the claims.	ve reviewed and understa	nd the contents c	of the specificat	tion in the al	oove-ident	ified applica	tion,
I believe that I am the or	iginal inventor or an origin	nal joint inventor	of a claimed inv	ention in the	applicatio	n.	
continuation-in-part app	o disclose information wholications, material informal or PCT international f	nation which be	came available	between the	e filing d		
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. 16/945,678							
including applications for organizations, and to pe	myself, my heirs, success or Letters Patent of any a rform any and all acts wh secure thereto the rights he	nd all kinds and inch the ASSIGNI	n any and all c EE, its successo	countries, ent	ities and i	ntergovernm	ental
And I hereby represent a	and warrant that I have not	granted any right	s inconsistent w	ith the rights	granted h	erein.	
	nat any willful false staten nore than five (5) years or		declaration is p	ounishable un	der 18 U.:	S.C. 1001 by	fine
LEGAL NAME OF INV	/ENTOR	CANCER,	**************************************	4500g	_ (* _	9 49 9 so	
Inventor: William	Dean		Da	ite: 2		202 u)
Signature:	Un ll	<u> </u>					
	ta Sheet (PTO/SB/14 or equi on form for each additional in		naming the entire	inventive enti	ty, must ac	company this	form.

Attorney Docket Number	84239405

Title of Invention	SYSTEMS VEHICLES	AND	METHODS	FOR	MITIGATING	WIND	THROB	IN
This declaration is direct						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
United	tached application I States applicatio filed on hen they become l	n or PCT			number the insertion of the	e applicatio	on filing date	and
The above-identified app	dication was mad	e or auth	orized to be made	by me.				
I hereby state that I have including the claims.	ve reviewed and	understa	nd the contents of	of the sp	ecification in the a	ibove-ident	tified applica	tion,
I believe that I am the or	iginal inventor or	an origin	nal joint inventor	of a clair	med invention in the	application	M.	
I am aware of the duty to continuation-in-part app application and the natio	dications, materia	al inform	nation which be	came av	ailable between th	ne filing o		
Pursuant to my employs FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for the ASSIGNEE, its sfor the inventions and d name or names, or in my insert the serial/applications and to the including all application reexaminations and reiss	NOLOGIES, LLC e, having its prin s the ASSIGNEE oreign, in and to th uccessors, assigns iscoveries in any y name, at its or t ation number and, Filing Da sors, assigns or ne inventions and ns claiming bene	C, a Ford cipal place invented in the invented and all conditions of the conditions of the conditions of the Lucker leads of the lucker leads of the lucker leads of the lucker l	Motor Company ace of business a cessors, assigns of the cessors and discover legal representation (and I hereby date of the appuly 31, 2020 egal representatives in any and all	subsidia t Dearbo or other ries in th tives to and inter y authori dication wes, all	ary, organized and even, County of Way legal representative e above-identified make applications a governmental orga ze the ASSIGNEE to receive Letters), and I hereby sell rights of priority, es, entities and inter	existing by yne, and S es, the enti- invention in and to rece- nizations, i or ASSIGI Patent had, assign ar- including	virtue of the tate of Michi re right, title ncluding the cive Letters Paris or their NEE's attornates over to any provisintal organizat	laws igan, and right atent own ey to No. o the ional tions
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I hereby acknowledge the or imprisonment of not a				declarat	ion is punishable u	nder 18 U.	S.C. 1001 by	fine
LEGAL NAME OF INV					Date:	3/6/2	7171	
Inventor: Richard Signature:	A. Kreder	K			Date:	-/30/4	w he live had	
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Note: An Application Da Use an additional declarati				naming th	e entire inventive ent	ity, must ac	company this	form.

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Attorney Docket Number 84239405	

ine of invention	VEHICLES
This declaration is directed	ed to:
☐ United	States application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then they become known.)
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I hav including the claims.	re reviewed and understand the contents of the specification in the above-identified application,
I believe that I ain the ori	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part appl	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for lications, material information which became available between the filing date of the prior hal or PCT international filing date of the continuation-in-part application.
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 16/945,678 ASSIGNEE, its success applications, in and to the	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 accoveries 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 ion number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
including applications for organizations, and to per-	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, r Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ecure thereto the rights herein sold, assigned and set over.
And I hereby represent an	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not m	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.
LEGAL NAME OF INVI	
Signature: WW	15 ml
Note: An Application Data Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. If form for each additional inventor.

Attorney Docket Number	84239405

Title of Invention	SYSTEMS AND VEHICLES	METHODS	FOR MITI	IGATING	WIND	THROB	IN		
This declaration is direct		MENEROCCIALIS - bases per sone resentant	***************************************	***************************************	***************************************				
United	tached application, or I States application or PC filed on hen they become known.)	(I hereby a	olication numbe uthorize the ins	r pertion of the	application	n filing date	and		
The above-identified app	olication was made or aut	norized to be made	e by me.						
I hereby state that I had including the claims.	ve reviewed and understa	and the contents o	of the specificat	tion in the al	bove-identi	ified applicat	ion,		
I believe that I am the or	iginal inventor or an origi	inal joint inventor	of a claimed inv	vention in the	application	n.			
continuation-in-part app	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.								
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its state for the inventions and domaine or names, or in magnineer the serial/applications. Its success applications, in and to the including all application reexaminations and reiss		d Motor Company lace of business a ccessors, assigns attons and discoverer legal representation (and I hereby date of the appuly 31, 2020 legal representations in any and all the filing date here.	subsidiary, org t Dearborn, Co- or other legal re- ries in the above tives to make a and intergovern y authorize the a dication to rece), and lives, all rights I countries, entitereof, continuate	anized and exunty of Way epresentative: e-identified in pplications as unental organ ASSIGNEE ceive. Letters I hereby sell, of priority, ties and interptions, continu	xisting by vone, and Stone, and Stone, and Stone, and Stone, and to receivalizations, in Carlon ASSIGN Patent he assign an including government untions-in-particular and the stone, and t	virtue of the late of Michi, re right, title actuding the received Letters Parties attorned the rein: Serial diset over to any provisional, divisional, divisional,	laws gan, and right atent own by to No. the onal ions hals,		
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: Chris Mu			Da	ite:	315/2	020			
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Title of Invention	SYSTEMS AND VEHICLES	MEIHODS FO)K MIIIGAI	ING WIND	IHKOB	
This declaration is direct	ed to:					
United	tached application, or I States application or PC filed on nen they become known.	(I hereby autho	tion number rize the insertion	of the application	on filing date	and
The above-identified app	dication was made or aut	horized to be made by	me.			
I hereby state that I havincluding the claims.	e reviewed and underst	and the contents of th	e specification in	the above-ident	ified applica	tion,
I believe that I am the ori	iginal inventor or an orig	inal joint inventor of a	claimed invention	n in the application	n.	
I am aware of the duty to continuation-in-part app application and the nation	lications, material infor	mation which became	e available betw	een the filing of		
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. 16/945,678						
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 a	nd warrant that I have no	ot granted any rights inc	consistent with the	e rights granted h	erein.	
I hereby acknowledge th or imprisonment of not n			laration is punish:	able under 18 U.S	S.C. 1001 by	fine
LEGAL NAME OF INV	ENTOR			3/5/2020		
Inventor: <u>Ibaa Al ha</u>			Date:		*************************	
Signature: \(\square \text{OA}	a Alhayek					
Note: An Application Data			ng the entire invent	ive entity, must acc	company this f	form.
Use an additional declaration	n form for each additional i	inventor.				

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Title of Invention	SYSTEMS VEHICLES	AND	METHODS	FOR	MITIGATING	WIND	THROB IN
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The above-identified app	lication was made	e or auth	orized to be made	e by me.			
I hereby state that I hav including the claims.	e reviewed and	understa	nd the contents of	of the sp	ecification in the	above-ident	tified application
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Pursuant to my employn FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and disname or names, or in my insert the serial/applicat 16/945,678 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu	NOLOGIES, LLC , having its prin- the ASSIGNEE eign, in and to th ecessors, assigns ecoveries in any a name, at its or th ion number and, Filing Da ors, assigns or e inventions and s claiming bene	C, a Ford cipal plate, its such a cipal plate or other and all coneir election of the filing other lediscover	Motor Company see of business a cessors, assigns of ions and discover legal representation (and I hereby date of the apply 31, 2020 gal representativities in any and all	subsidia t Dearbo or other lives in the tives to rand inter authorization lication res, all incountrie	ry, organized and rn. County of Walegal representative above-identified nake applications governmental orgate the ASSIGNEE to receive Letters, and I hereby selegits of priority, s, entities and interests.	existing by yne, and Stees, the entire invention in and to receive or ASSIGN Patent heal, assign an including rgovernmer	virtue of the laws tate of Michigan re right, title and ncluding the right ive Letters Patent n its or their own NEE's attorney to rein: Serial No. Id set over to the any provisional ntal organizations
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LEGAL NAME OF INV						, he a	000
Inventor: Newton A						j. 05, 2	
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