## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6887683

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
MICHELLE CAROLINA HERRERA GUTIERREZ	08/27/2021
LUIS ENRIQUE CASTILLO JAIME	08/27/2021
ANTONIO DARIO GARAY SERRANO	08/27/2021
ALEJANDRO SÁNCHEZ ISLAS	08/27/2021
ZHIBING DENG	08/27/2021

### **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:	17459072

## **CORRESPONDENCE DATA**

**Fax Number:** (248)988-8363

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:** 2489888360

Email: docket@cgolaw.com

Correspondent Name: CARLSON, GASKEY & OLDS, P.C./FORD

Address Line 1:400 W. MAPLE ROAD, STE 350Address Line 4:BIRMINGHAM, MICHIGAN 48009

ATTORNEY DOCKET NUMBER:	84405139; 67186-1212 PUS1
NAME OF SUBMITTER:	TIMOTHY J. MURPHY
SIGNATURE:	/Timothy J. Murphy/
DATE SIGNED:	08/27/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 057309 FRAME: 0702

506840862

# Total Attachments: 5 source=Executed\_Assignment\_1212PUS1#page1.tif source=Executed\_Assignment\_1212PUS1#page2.tif source=Executed\_Assignment\_1212PUS1#page3.tif source=Executed\_Assignment\_1212PUS1#page4.tif source=Executed\_Assignment\_1212PUS1#page5.tif

Attornev Docket Number	84405139:	: 67186-1212 PUS1

Title of Invention	ARRANGEMENT VEHICLE DOOR	CONFIGURED	ТО	OPPOSE	MOVEMENT	OF
This declaration is direct	<del>/////////////////////////////////////</del>					
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 chove identified one	liaction was made or outh	animad to be made by me				
The above-identified app	olication was made or author	onzed to be made by me	<i>2</i> .			
I hereby state that I have including the claims.	e reviewed and understar	ad the contents of the	specifica	ation in the abo	ove-identified applic	ation,
I believe that I am the or	iginal inventor or an origin	al joint inventor of a cla	nimed in	evention in the a	application.	
continuation-in-part app	o disclose information whi dications, material inform nal or PCT international fil	nation which became	availabl	e between the	filing date of the	
FORD GLOBAL TECH of the State of Delaward hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its suffer the inventions and diname or names, or in my insert the serial/applica 17459072  ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss	**	Motor Company subsidice of business at Dearly cessors, assigns or other cessors, assigns and introduced the cessors and introduced the cessors and cessors are cessors, and cessors are filing date hereof, or other cessors assigns and all countries filing date hereof, or other cessors assigns as a cessor cessors as a cessor cessor cessor cessors.	fiary, org born, Co or legal in the above or make a dergover orize the nato rea ), and I rights ries, ent continua	ganized and exi- ounty of Wayn representatives, ve-identified in- applications and nmental organia ASSIGNEE or ceive Letters I I hereby sell, of priority, i ities and intergrations, continua-	isting by virtue of the e, and State of Micle, the entire right, titl vention including the d to receive Letters I zations, in its or their ASSIGNEE's attorn Patent herein: Seria assign and set over neluding any province overnmental organizations-in-part, divisions-in-part, divisions-	e laws higan, le and e right Patent r own ney to d No. to the sional ations onals,
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.						
-	at any willful false statem nore than five (5) years or l		ation is	punishable und	ler 18 U.S.C. 1001 b	y fine
LEGAL NAME OF INV	ENTOR			00/0	7/2021	
Inventor: <u>Michelle (</u>	Carolina Herrera Gutierrez		D	ate:	112021	
Signature: /Michel	le Carolina Herrera	Gutierrez/	nanananananana			
	a Sheet (PTO/SB/14 or equiv		the entire	e inventive entity	, must accompany this	form.

RUDING POCKEL NUMBER   OTTOJIJJ, 0/100-1212 I OJ	Attornev Docket Number	84405139; 67186-1212 PUS
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Title of Invention	ARRANGEMENT VEHICLE DOOR	CONFIGURED	то орг	POSE	MOVEMENT	OF
This declaration is directed to:						
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 app	olication was made or author	orizad to be made by me				
The above-identified app	incation was made of author	mized to be made by me	·•			
I hereby state that I have including the claims.	e reviewed and understar	nd the contents of the s	specification in	n the abo	ove-identified applic	cation,
I believe that I am the or	iginal inventor or an origin	al joint inventor of a cla	imed invention	n in the a	pplication.	
continuation-in-part app	o disclose information whi dications, material inform al or PCT international fi	nation which became a	available betw	veen the	filing date of the	
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. 17459072, Filing Date						
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				Λ		
Inventor: <u>Luis Enric</u>	pue Castillo Jaime		Date:	Augu	ust-27-2021	
Signature: /LUIS E	NRIQUE CASTILLO	) JAIME/				
	a Sheet (PTO/SB/14 or equivery form for each additional in		he entire invent	tive entity	, must accompany this	s form.

Use an additional declaration form for each additional inventor.

PATENT

Attorney Docket Number	84405139; 67186-1212 PUS1	

Title of Invention	ARRANGEMENT VEHICLE DOOR	CONFIGURED	TO OP	POSE	MOVEMENT	OF
This declaration is directed to:						
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The above-identified app	olication was made or author	orized to be made by me	<b>&gt;.</b>			
I hereby state that I have including the claims.	ve reviewed and understar	nd the contents of the s	specification	in the abo	ove-identified applic	ation,
I believe that I am the or	iginal inventor or an origin	nal joint inventor of a cla	nimed invention	on in the a	application.	
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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 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. 17459072						
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.						
	at any willful false statem nore than five (5) years or		ation is punisl	hable und	er 18 U.S.C. 1001 b	y fine
LEGAL NAME OF INV	ENTOR			AUGU	ST, 27TH 2021	
Inventor: Antonio D	Dario Garay Serrano		Date:		•	
Signature: /ANTO	NIO DARIO GARAY SERRAN	10/				
	a Sheet (PTO/SB/14 or equiv		the entire inver	ntive entity.	, must accompany this	form.

Attornas	v Docket Number	9//05130	: 67186-1212 PUS1
AUGINO'	y LOUNCE I VUILLOUS	こりでかりフェンス	* OLYON, TWITT TOOL

Title of Invention	ARRANGEMENT VEHICLE DOOR	CONFIGURED	TO OPPO	JSE	MOVEMENT	OF
This declaration is direct	ed to:					
United	ached application, or States application or PCT filed on ten they become known.)			of the a	application filing dat	æ and
The above-identified app	lication was made or author	orized to be made by me				
I hereby state that I have including the claims.	e reviewed and understar	nd the contents of the s	specification in	the abo	ove-identified applic	ation,
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.						
continuation-in-part app	disclose information whi- lications, material inform al or PCT international fil	nation which became a	available betwe	en the	filing date of the	
FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and di name or names, or in my insert the serial/applicat 17459072 ASSIGNEE, its success applications, in and to th	nent agreement heretofore NOLOGIES, LLC, a Ford e, having its principal places the ASSIGNEE, its succession, in and to the inventincessors, assigns or other scoveries in any and all commune, at its or their election number and filing of the cors, assigns or other less inventions and discovering claiming benefit of the applications.	Motor Company subside of business at Dearly cessors, assigns or other consumations and discoveries in the legal representatives to contries, entities and intries (and I hereby authorities) of the application (8/27/2021) gal representatives, all es in any and all countries of the countries of the application of the a	iary, organized a porn, County of a legal represent the above-identic make application app	and exist Wayner tatives, fied invious and organiz NEE or etters Fy sell, a prity, in I interger	sting by virtue of the e, and State of Mich the entire right, titly rention including the I to receive Letters I exations, in its or their ASSIGNEE's attornational series assign and set over ancluding any provisovernmental organization.	e laws higan, le and e right Patent r own ney to I No. to the sional ations
including applications for organizations, and to per	nyself, my heirs, successor ir Letters Patent of any an form any and all acts whi ecure thereto the rights her	d all kinds and in any ch the ASSIGNEE, its	and all countrie successors, assign	es, entiti	ies and intergovernn	nental
And I hereby represent a	nd warrant that I have not p	granted any rights incon	sistent with the	rights g	ranted herein.	
or imprisonment of not n	at any willful false statem nore than five (5) years or l		ntion is punishal	ple unde	er 18 U.S.C. 1001 b	y fine
LEGAL NAME OF INV			Distan	Διι	gust-27-2021	
	Sánchez Islas	F 7 101 40 1	Date: _		guorai -zuz i	
Signature: /Al	<u>EJANDRO SÁNCH</u>	EZ ISLAS/				
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Attorney Docket Number	84405139;	67186-1212 PUS1

Title of Invention	ARRANGEMENT VEHICLE DOOR	CONFIGURED	TO OPPO	OSE MO	VEMENT	OF		
This declaration is directed to:								
United	tached application, or I States application or PCT filed on hen they become known.)	international applicatio (I hereby authorize	n number e the insertion (	of the applica	tion filing date	e and		
The above-identified app	olication was made or author	orized to be made by me	s.					
I hereby state that I have including the claims.	ve reviewed and understar	nd the contents of the	specification in	the above-ide	entified applica	ation,		
I believe that I am the or	iginal inventor or an origin	al joint inventor of a cla	imed invention	in the applicat	tion.			
continuation-in-part app	o disclose information whi dications, material inform nal or PCT international fil	nation which became	available betwe	en the filing				
FORD GLOBAL TECH of the State of Delaware hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its si for the inventions and di name or names, or in my insert the serial/applica 17459072  ASSIGNEE, its success applications, in and to th including all application reexaminations and reiss  And I hereby agree for including applications for	myself, my heirs, successor or Letters Patent of any an	Motor Company subside ce of business at Dearly cessors, assigns or other ions and discoveries in a legal representatives to countries, entities and introduce of the application (and I hereby authority date of the application (all representatives, all les in any and all countries in any and all countries filing date hereof, our assigns or other legal all kinds and in any	iary, organized porn, County of regal represent the above-idention make application make application to receive Language and I hereby rights of prices, entities and continuations, could representative and all countries.	and existing be Wayne, and statives, the endited invention ions and to recorganizations NEE or ASSIGUTE Patent y sell, assign ority, including intergovernment continuations-ies to execute es, entities and	by virtue of the State of Michantire right, title including the ceive Letters Fa, in its or their GNEE's attorn herein: Serial and set over the any provisuental organizatin-part, divisionally any and all part intergovernments.	laws nigan, e and right Patent r own ney to l No. to the sional ations onals, nental		
-	rform any and all acts white secure thereto the rights her			gns or other le	egal representa	atives		
And I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.								
	nat any willful false statem nore than five (5) years or l		ation is punishal	ble under 18 U	U.S.C. 1001 by	y fine		
LEGAL NAME OF INV Inventor: Zhibing I			Date:	8/27/20	21			
/Zhihing	g Deng/							
Signature: /ZIIIDIIIQ	, - 311 <del>3</del> /							
	a Sheet (PTO/SB/14 or equiv		the entire inventiv	e entity, must a	accompany this	form.		

PATENT
RECORDED: 08/27/2021 REEL: 057309 FRAME: 0708