505590880 07/26/2019 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5637680

SUBMISSION TYPE:			NEW ASSIGNMENT		
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PARTY DA	TA				
			Name	Execution Date	
MOHAMMED SHENAQ				07/18/2019	
RAY HARI MANALA RET	HINAM			07/23/2019	
SUDIP SANKAR BHATT	ACHAR	JEE		07/18/2019	
MATTHEW SMITH				07/22/2019	
NEIL CLARKE				07/18/2019	
RECEIVING PARTY DAT Name:			AL TECHNOLOGIES, LLC		
Street Address:					
Internal Address:	SUITE				
City:	DEARE				
State/Country:	MICHI	GAN			
Postal Code:	48126				
PROPERTY NUMBERS	Total: 1				
Property Type			Number		
Application Number:		1652	2733		
CORRESPONDENCE D	ATA				
Fax Number:			······································		
			e-mail address first; if that is uns hat is unsuccessful, it will be sen		
Phone:			28-4882		
			et@b2iplaw.com		
Email:		docke	et@b2iplaw.com N BIENEMAN PLC FORD GLOBAI	_ TECHNOLOG	
Email: Correspondent Name:		docke BEJII	•	TECHNOLOG	
Email: Correspondent Name: Address Line 1:		docke BEJIN 2000	N BIENEMAN PLC FORD GLOBAL	. TECHNOLOG	
Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:		docke BEJIN 2000 SUITI	N BIENEMAN PLC FORD GLOBAL TOWN CENTER	. TECHNOLOG	
Email: Correspondent Name: Address Line 1: Address Line 2:		docke BEJIN 2000 SUITI	N BIENEMAN PLC FORD GLOBAI TOWN CENTER E 800	. TECHNOLOG	
Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:		docke BEJIN 2000 SUITI	N BIENEMAN PLC FORD GLOBAI TOWN CENTER E 800 THFIELD, MICHIGAN 48075	. TECHNOLOG	
Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:		docke BEJIN 2000 SUITI	N BIENEMAN PLC FORD GLOBAI TOWN CENTER E 800 THFIELD, MICHIGAN 48075 84159290(65080-3376)	. TECHNOLOG	

REEL: 049866 FRAME: 0957

Total Attachments: 5

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Attorney Docket Number 84159290 (65080-3376)

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	BUMPER ASSEMBLY
This declaration is direct	ed to:
🛛 United	tached application, or States application or PCT international application number 2,733 filed on July 26, 2019. (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 am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part app	o 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 nal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHI of the State of Delaward 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 16/522,733 ASSIGNEE, its success applications, in and to th including all application reexaminations and reissu	
including applications fo 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 a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
	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	
Signature:	INAL
Note: An Application Data	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Use an additional declaratio	n form for each additional inventor.

Attorney Docket Number 84159290 (65080-3376)

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This declaration is direct	ed to:				
🛛 🕅 United	tached application, or States application or PCT international application number <u>5733</u> filed on July 26, 2019. (I hereby authorize the insertion of the application filing date and hen 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 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.					
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its st for the inventions and di name or names, or in my insert the serial/applica 16/522,733 ASSIGNEE, its succes applications, in and to th	ment 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, s 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 y 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 organizations, and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives secure thereto the rights herein sold, assigned and set over.				
And I hereby represent a	and warrant that I have not granted any rights inconsistent with the rights granted herein.				
	hat 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>Ray Hari</u>	Manalan Rethinam Date: July 23, 2019.				
	HARI MANALAN RETHINAM				
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.				
	on form for each additional inventor.				

Attorney Docket Number | 84159290 (65080-3376)

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continuation-in-part app	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 ral or PCT international filing date of the continuation-in-part application.
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 din name or names, or in my insert the serial/applicat 16/522,733 ASSIGNEE, its success applications, in and to th	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 the number and filing date of the application to receive Letters Patent herein: Serial No
including applications fo 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 a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
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	ENTOR Jakar Bhattacharjee Date: 7/18/2019
Signature:	Sankan Bhattichanje e
Note: An Application Data Use an additional declaratio	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.

Attorney Docket Number 84159290 (65080-3376)

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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X United	tached application, or I States application or PCT international application number 2,733 filed on July 26, 2019. (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 am the ori	iginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part app	o 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 nal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHI of the State of Delaward 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 16/522,733 ASSIGNEE, its success applications, in and to th	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 s 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 righ accessors, assigns or other legal representatives to make applications and to receive Letters Paten scoveries in any and all countries, entities and intergovernmental organizations, in its or their owr / 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 Paten herein: Serial No
including applications for organizations, and to per	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmenta fform 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 a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
	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	ENTOR
Inventor: <u>Matthew</u>	
	Date. / for tal.

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Attorney Docket Number 84159290 (65080-3376)

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 BUMPER ASSEMBLY
This declaration is directed to:
The attached application, or United States application or PCT international application number <u>16/522,733</u> filed on <u>July 26, 2019</u> . (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. 16/522,733
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: Neil Clarke Date: 18 JULY 2019
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.

PATENT REEL: 049866 FRAME: 0963

RECORDED: 07/26/2019