PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4561885

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STUART C. SALTER	08/17/2017
PIETRO BUTTOLO	08/17/2017
ERICK MICHAEL LAVOIE	08/17/2017
PAUL KENNETH DELLOCK	08/18/2017
AARON BRADLEY JOHNSON	08/17/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15682465

CORRESPONDENCE DATA

Fax Number: (312)269-1747

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: 312-269-8000

Email: marden@nge.com, patents@nge.com, ryoung@nge.com

JAMES P. MURAFF **Correspondent Name:**

Address Line 1: TWO NORTH LASALLE STREET, SUITE 1700

ATTN: PATENT ADMINISTRATOR Address Line 2:

Address Line 4: CHICAGO, ILLINOIS 60602

ATTORNEY DOCKET NUMBER:	83848565 (026780.8823)
NAME OF SUBMITTER:	JAMES P. MURAFF
SIGNATURE:	/JAMES P. MURAFF/
DATE SIGNED:	08/23/2017
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Total Attachments: 5

PATENT REEL: 043364 FRAME: 0923

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source=Salter_signed_Declaration_8823#page1.tif source=Buttolo_signed_Declaration_8823#page1.tif source=Lavoie_signed_Declaration_8823#page1.tif source=Dellock_signed_Declaration_8823#page1.tif source=Johnson_signed_Declaration_8823#page1.tif

Attorney Docket Number	83848565	(026780-8823)

Title of Invention	CAPACITIVE MONITORING OF VEHICLE HITCHES
This declaration is direct	ed to:
T-10 4 7 7 7	tached application, or I States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and number into one known.)
The above-identified app	olication was made or authorized to be made by me.
I hereby state that I have including the claims.	re reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the or	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 discations, 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 TECH of the State of Delawar hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its stor the inventions and diname or names, or in my insert the serial/applica. ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss	
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 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.
Inventor: Stuart C.	
Signature:	- Fluit Castr //
	a 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		(026780-8823)
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FORD GLOBAL TECH of the State of Delaward hereinafter referred to a interest, domestic and for of the ASSIGNEE, its suffor the inventions and diname or names, or in my insert the serial/applica. ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss. And I hereby agree for including applications for organizations, and to perform the state of 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own variety 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. ———————————————————————————————————
	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not n	nat 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: Pietro Bu	
Signature:	benc
	a 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	83848565 (026780-8823)

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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 ASSIGNEE, its success applications, in and to the including all applications.	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, as 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 mane, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the line and filing date of the application to receive Letters Patent 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, in 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 tore than five (5) years or both.
LEGAL NAME OF INV Inventor: Erick Mic	ENTOR hael Lavoie Date: 5/17/2017
Signature: Sund	Andred Junia
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, a form for each additional inventor.

Attorney Docket Number	83848565	(026780-8823)	

Title of Invention	CAPACITIVE MONITORING OF VEHICLE HITCHES	
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	lication was made or authorized to be made by me.	
I hereby state that I have including the claims.	re reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the or	iginal 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. ———————————————————————————————————		
including applications for organizations, and to pe	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 occure 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.		
	nat 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	VENTOR 6/11/2015	
Inventor: Paul Ker	ALL DESCRIPTION OF THE PROPERTY OF THE PROPERT	
Signature: Pak	Kermett Delloch	
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	
Use an additional declarati	on form for each additional inventor:	

REEL: 043364 FRAME: 0928

Attorney Docket Number	83848565 (026780-8823)

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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 of 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. ———————————————————————————————————		
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: Aaron Br	adley Johnson Date:	
Signature; 643 B		
Note: An Application Dat	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	
Use an additional decileration form for each additional inventor.		

PATENT REEL: 043364 FRAME: 0929

RECORDED: 08/23/2017