PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2782825

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAHMOUD YOUSEF GHANNAM	03/19/2014
STEVEN YELLIN SCHONDORF	03/20/2014
ABRAHAM G. PHILIP	03/20/2014
DAVID JAMES TIPPY	03/20/2014

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:	14223984

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Phone: 313-528-4882 **Email:** docket@bvbip.com

Correspondent Name: BEJIN, VANOPHEM & BIENEMAN PLC FORD GLOB

Address Line 1: 300 RIVER PLACE

Address Line 2: SUITE 1650

Address Line 4: DETROIT, MICHIGAN 48207

ATTORNEY DOCKET NUMBER:	83419108
NAME OF SUBMITTER:	DAVID W. HANNON
SIGNATURE:	/David W. Hannon/
DATE SIGNED:	03/24/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT

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Attorney Docket Number	

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention COLLISION SENSING AND ENERGY ABSORBING APPARATUS
This declaration is directed to:
X The attached application, or United States application or PCT international application number filed on
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. ———————————————————————————————————
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: Mahmoud Yousef Ghannam Date: / /
Inventor: Mahmoud Yousef Ghannam Date: Signature: 3/14/2014
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.

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The above-ident	tified ap	plication was made or authorized to be made by me.
I hereby state t including the cla	hat I ha sims.	ive reviewed and understand the contents of the specification in the above-identified application,
I believe that I a	m the o	riginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-	part ap	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for plications, material information which became available between the filing date of the prior onal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of hereinafter refer interest, domesti of the ASSIGNI for the inventior name or names, insert the seria ASSIGNEE, its applications, in a including all ar reexaminations a	t. TECH Delawar yed to a ic and fe EE, its s is and d or in m l'applica succes and to ti aplication and reise	
including applic organizations, ar	ations fi nd 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 riorm 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 rep	resent a	and warrant that I have not granted any rights inconsistent with the rights grunted herein,
I hereby acknow or imprisonment	ledge the	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	(XXXXX)
Signature:	July 1	ellin Schondorf Date: 3/20/14
Note: An Applica	sion Das declaration	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.

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Attorney Docket Number	07410100	
Auomey Docket Number	£ 00439190;	è
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continuation-in-p	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for art applications, material information which became available between the filing date of the prior e national or PCT international filing date of the continuation-in-part application.					
FORD GLOBAL of the State of D hereinafter referrinterest, domestic of the ASSIGNE for the inventions name or names, cinsert the serial/ ASSIGNEE, its applications, in a including all appreexaminations as	mployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws elaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, ed to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and and foreign, in and to the inventions and discoveries in the above-identified invention including the right and discoveries in any and all countries, entities and intergovernmental organizations, in its or their owner in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————					
including applica organizations, an	see for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, tions for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental it to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ary to secure thereto the rights herein sold, assigned and set over.					
And I hereby rep	esent 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						
Inventor: A	praham G. Philip Date: 3/24/14					
Signature:						
Nistoi An An-Da	ion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.					
	ion Data Succe (Fig. 20) 14 or equivment, menuing naming the entire inventive entity, thus accompany this form					

Please direct all correspondence to: 113140

Attorney Docket Number	83419108

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The above-identified appli	cation was made or authorized to be made by me.			
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I believe that I am the orig	inal inventor or an original joint inventor of a claimed invention in the application.			
continuation-in-part appli	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for cations, material information which became available between the filing date of the prior of 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 fore of the ASSIGNEE, its suc for the inventions and disc name or names, or in my insert the serial/application. ASSIGNEE, its successor applications, in and to the including all applications reexaminations and reissue.	the Market was a state of the s			
including applications for organizations, and to perfi	yself, my heirs, successors, assigns or other legal representatives to execute any and all papers, 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 cure thereto the rights herein sold, assigned and set over.			
And I hereby represent and	d warrant that I have not granted any rights inconsistent with the rights granted herein.			
	t any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine one than five (5) years or both.			
LEGAL NAME OF INVE	NTOR 7			
Inventor: <u>David Jame</u>				
Signature:	7/2			
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.			

PATENT REEL: 032512 FRAME: 0290

RECORDED: 03/24/2014