504232292 02/16/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4278969

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAHMOUD YOUSEF GHANNAM	01/17/2017
SAIED NUSIER	01/17/2017
SWADAD A. CARREMM	01/17/2017

RECEIVING PARTY DATA

Name:	FORD MOTOR COMPANY
Street Address:	ONE AMERICAN ROAD
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29574798

CORRESPONDENCE DATA

Fax Number: (312)980-0728

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: mhall@ngelaw.com

NEAL, GERBER & EISENBERG **Correspondent Name:**

Address Line 1: TWO NORTH LASALLE STREET, SUITE1700

Address Line 4: CHICAGO, ILLINOIS 60602

ATTORNEY DOCKET NUMBER:	83687030 (026780.8348)	
NAME OF SUBMITTER:	JAMES P. MURAFF	
SIGNATURE:	/James P. Muraff/	
DATE SIGNED:	02/16/2017	

Total Attachments: 3

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Attorney Docket Number	83687030 (026780.8348)

NUNC PRO TUNC ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37

Title of Invention	SENSOR COVER	
This declaration is directed	d to:	
The attached application, or United States application or PCT international application number 29/574798 filed on August 18, 2016. (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 as of identified application, inc	July 24, 2016, I have reviewed and understand the contents of the specification in the above-luding the claims.	
As of July 24, 2016, I be application.	elieved that I am the original inventor or an original joint inventor of a claimed invention in the	
continuation-in-part appl	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for ications, material information which became available between the filing date of the prior al or PCT international filing date of the continuation-in-part application.	
assign and set over unto having its principal place ASSIGNEE, its successor and to the inventions and assigns or other legal representative or their election and, as of other legal representative discoveries in any and all	rent agreement heretofore made or by contractual obligation, as of <u>July 24, 2016</u> , I hereby sell. Ford Motor Company, organized and existing by virtue of the laws of the State of Delaware, ce of business at One American Road, Dearborn Michigan, hereinafter referred to as the sa assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, esentatives to make applications and to receive Letters Patent for the inventions and discoveries in ties and intergovernmental organizations, in its or their own name or names, or in my name, at its f. <u>July 24, 2016</u> , I do hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or es, all rights of priority, including any provisional applications, in and to the inventions and countries, entities and intergovernmental organizations including all applications claiming benefit continuations, continuations-in-part, divisionals, reexaminations and reissue applications.	
any and all papers, including intergovernmental organic	I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute ling applications for Letters Patent of any and all kinds and in any and all countries, entities and zations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other deem necessary to secure thereto the rights herein sold, assigned and set over.	
And, as of July 24, 2016 granted herein, and attempt	I hereby represent and warrant that I have not granted any rights inconsistent with the rights of transfer that I may have made after July 24, 2016 is null and void.	
or imprisonment of not me	t any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine pre than five (5) years or both.	
LEGAL NAME OF INVE Inventor: Mahmoud	Yousef Ghannam Date: //7//7	
Signature:		
Note: An Application Data Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor:	

Attorney Docket No	(026780.8348)

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The above-identified app	lication was made or authorized to be made by me.	
I hereby state that as of identified application, inc	July 24, 2016, I have reviewed and understand the contents of the specification in the above-cluding the claims.	
As of July 24, 2016, I b application.	elieved that I am the original inventor or an original joint inventor of a claimed invention in the	
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 hal or PCT international filing date of the continuation-in-part application.	
assign and set over unto having its principal pla ASSIGNEE, its successo and to the inventions and assigns or other legal rep any and all countries, ent or their election and, as o other legal representativ discoveries in any and al	nent agreement heretofore made or by contractual obligation, as of <u>July 24, 2016</u> , I hereby sell, Ford Motor Company, organized and existing by virtue of the laws of the State of Delaware, ce of business at One American Road, Dearborn Michigan, hereinafter referred to as the rs, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, resentatives to make applications and to receive Letters Patent for the inventions and discoveries in ities and intergovernmental organizations, in its or their own name or names, or in my name, at its of <u>July 24, 2016</u> . I do hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or es, all rights of priority, including any provisional applications, in and to the inventions and countries, entities and intergovernmental organizations including all applications claiming benefit continuations, continuations-in-part, divisionals, reexaminations and reissue applications.	
any and all papers, inclu intergovernmental organ	I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute ding applications for Letters Patent of any and all kinds and in any and all countries, entities and izations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other deem necessary to secure thereto the rights herein sold, assigned and set over.	
	5. I hereby represent and warrant that I have not granted any rights inconsistent with the rights pted transfer that I may have made after July 24, 2016 is null and void	
	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 AND A STORE	
Inventor: <u>Saied Nus</u>	rier Date: 0 - 1 x - 2 2 (x	
Signature:	<u> </u>	
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.	

RECORDED: 02/16/2017

Attorney Docket Number	83687030 (026780.8348)

NUNC PRO TUNC ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37

litie of invention	SENSOK COVEK
This declaration is directed to:	
United 29/57	ached application, or States application or PCT international application number 74798 filed on August 18, 2016 (I hereby authorize the insertion of the application filing form when they become known.)
The above-identified app	lication was made or authorized to be made by me.
I hereby state that as of identified application, inc	<u>August 14, 2016</u> , I have reviewed and understand the contents of the specification in the above- liuding the claims.
As of <u>August 14, 2016</u> , I application.	believed that I am the original inventor or an original joint inventor of a claimed invention in the
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 hal or PCT international filing date of the continuation-in-part application.
assign and set over unto having its principal platassign and to the inventions and assigns or other legal repany and all countries, enfor their election and, as or other legal representations or other legal representations or other legal representations and all converies in any and all discoveries in any and all converies in any any and all converies in any any and all converies in any any any any any any any any any an	nent agreement heretofore made or by contractual obligation, as of <u>August 14, 2016</u> . I hereby sell, a Ford Motor Company, organized and existing by virtue of the laws of the State of Delaware, ace of business at One American Road, Dearborn Michigan, hereinafter referred to as the ors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, resentatives to make applications and to receive Letters Patent for the inventions and discoveries in titles and intergovernmental organizations, in its or their own name or names, or in my name, at its of <u>August 14, 2016</u> . I do hereby sell, assign and set over to the ASSIGNEE, its successors, assigns atives, all rights of priority, including any provisional applications, in and to the inventions and I countries, entities and intergovernmental organizations including all applications claiming benefit continuations, continuations-in-part, divisionals, reexaminations and reissue applications.
any and all papers, incluintergovernmental organ	116 I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute uding applications for Letters Patent of any and all kinds and in any and all countries, entities and nizations, and to perform any and all acts which the ASSIGNEE, its successors, assigns or other y deem necessary to secure thereto the rights herein sold, assigned and set over.
And, as of <u>August 14, 2</u> granted herein, and atten	016. I hereby represent and warrant that I have not granted any rights inconsistent with the rights upted transfer that I may have made after <u>August 14, 2016</u> is null and void
I hereby acknowledge 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	ENTOR I I I I I I I I I I I I I I I I I I I
	A. Carremm Date: (// // EG)
Signature:	101 A CON
Note: An Application Dat Use an additional declarati	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.