PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4006608

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CINDY ANNE PETERS	08/11/2016
MARK EDWARD NICHOLS	08/09/2016
SABRINA LOUISE PECZONCZYK	08/08/2016
KERRIE NIKAIDO HOLGUIN	08/08/2016
ELYSSA KAYSER	08/09/2016

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:	15236701

CORRESPONDENCE DATA

Fax Number:

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: 313-528-4882

Email: docket@b2iplaw.com

Correspondent Name: BEJIN BIENEMAN PLC FORD GLOBAL TECHNOLOG

Address Line 1: 300 RIVER PLACE

Address Line 2: SUITE 1650

Address Line 4: DETROIT, MICHIGAN 48207

ATTORNEY DOCKET NUMBER:	83691072(65080-2031)
NAME OF SUBMITTER:	STEPHEN J. KONTOS
SIGNATURE:	/Stephen J. Kontos/
DATE SIGNED:	08/15/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT

503959953 REEL: 039682 FRAME: 0111

Total Attachments: 5

source=83691072-Signed-Combined-Declaration-and-Assignment--all-5-inventors#page1.tif source=83691072-Signed-Combined-Declaration-and-Assignment--all-5-inventors#page2.tif source=83691072-Signed-Combined-Declaration-and-Assignment--all-5-inventors#page3.tif source=83691072-Signed-Combined-Declaration-and-Assignment--all-5-inventors#page4.tif source=83691072-Signed-Combined-Declaration-and-Assignment--all-5-inventors#page5.tif

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1 itte of invention	LIDAN SENSON PROST DETEC	, non
This declaration is direct	ed to:	
☐ United	tached application, or I States application or PCT international appli filed on (I hereby aut)	cation number norize the insertion of the application filing date and
number into this form wi	hen they become known.)	
The above-identified app	olication was made or authorized to be made b	y me.
I hereby state that I have including the claims.	ve 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 problemations, material information which becausal or PCT international filing date of the con-	atentability as defined in 37 C.F.R. 1.56, including for time available between the filing date of the prior tinuation-in-part application.
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its start for the inventions and drame or names, or in my insert the serial/applications. ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss	inologies, LLC, a Ford Motor Company size, having its principal place of business at less the ASSIGNEE, its successors, assigns or oreign, in and to the inventions and discoveries uccessors, assigns or other legal representative iscoveries in any and all countries, entities any name, at its or their election (and I hereby a attion number and filing date of the application, Filing Date ———————————————————————————————————	ractual obligation, I do sell, assign and set over unto absidiary, organized and existing by virtue of the laws Dearborn, County of Wayne, and State of Michigan, other legal representatives, the entire right, title and as in the above-identified invention including the right was to make applications and to receive Letters Patent and intergovernmental organizations, in its or their own authorize the ASSIGNEE or ASSIGNEE's attorney to cation to receive Letters Patent herein: Serial No), and I hereby sell, assign and set over to the s, all rights of priority, including any provisional countries, entities and intergovernmental organizations cof, continuations, continuations-in-part, divisionals.
including applications for organizations, and to pe	or Letters Patent of any and all kinds and in	er legal representatives to execute any and all papers, any and all countries, entities and intergovernmental its successors, assigns or other legal representatives 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 d more than five (5) years or both.	eclaration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV		Date: 8-11-16
Inventor: <u>Cindy A</u>	nne Peters	Date: 8 - 11-16
Signature: 🗸 🗫	4 a Peters	
Note: An Application Da	ta Sheet (PTO/SB/14 or equivalent), including nat	ming the entire inventive entity, must accompany this form.

Please direct all correspondence to: 113140

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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	LIDAR SENSOR FROST DETECTION
This declaration is direc-	ed to:
United	tached application, or I States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then they become known.)
number macina marin w	ich mey become known.)
The above-identified app	olication was made or authorized to be made by me.
I hereby state that I har including the claims.	ve 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 plications, material information which became available between the filing date of the prior mal 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 for of the ASSIGNEE, its s for the inventions and d name or names, or in m insert the serial/applica-	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, is the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and oreign, in and to the inventions and discoveries in the above-identified invention including the right uccessors, assigns or other legal representatives to make applications and to receive Letters Patent iscoveries 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 the number and filing date of the application to receive Letters Patent herein: Serial No, Filing Date
applications, in and to the	ne inventions and discoveries in any and all countries, entities and intergovernmental organizations are claiming benefit of the filing date bereof, continuations, continuations-in-part, divisionals,
including applications forganizations, 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.
or imprisonment of not t	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	
7.77	photographis Date: 8-10
Signature: 4/4/2	
Note: An Application Dat Use an additional declarati	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.

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Title of Invention LIDAR SENSOR FROST DETECTION
This declaration is directed to:
filed on (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.
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: Sabrina Louise Peczonczyk Date: 3/5/(1)
Signature: SASUMO JOUNE TONOGA
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entiry, must accompany this form. Use an additional declaration form for each additional inventor

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FORD GLOBAL TECH of the State of Delawar 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	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 virtual and 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
ASSIGNEE, its success applications, in and to the	sors, assigns or other legal representatives, all rights of priority, including any provisional we inventions and discoveries in any and all countries, entities and intergovernmental organizations as claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals,
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 ecore 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	
Inventor: <u>Kerrie Ni</u>	kaido Holguin Date: AUJUST 8, 2016
Signature: <u>Te</u>	we Holgun
	GL OFFICE U.S.
	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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THE OF INVENTION LIDAR SENSOR PROST DETECTION								
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 application was made or authorized to be made by me.								
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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.								
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hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine imprisonment of not more than five (5) years or both.								
EGAL NAME OF INVENTOR								
nventor: Elyssa Kayser Date: OX - OQ - 10								
ignature: EUW KOUN								
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.  Jse an additional declaration form for each additional inventor.								

PATENT REEL: 039682 FRAME: 0117

**RECORDED: 08/15/2016**