05/01/2019 505456035

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5502837

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SNEHA KADETOTAD	10/17/2016
JINESH J JAIN	11/15/2016
VIDYA NARIYAMBUT MURALI	10/25/2016
DONGRAN LIU	11/04/2016
MARCOS PAUL GERARDO CASTRO	10/26/2016
ADIL NIZAM SIDDIQUI	10/14/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16400763

CORRESPONDENCE DATA

Fax Number: (408)288-7542

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: 408-288-7588

uspto@stevenslawgroup.com Email: STEVENS LAW GROUP **Correspondent Name:**

Address Line 1: 1754 TECHNOLOGY DRIVE, SUITE 226

Address Line 4: SAN JOSE, CALIFORNIA 95110

ATTORNEY DOCKET NUMBER:	84145649 (FGTL-15801)
NAME OF SUBMITTER:	DAVID R. STEVENS
SIGNATURE:	/David R. Stevens/
DATE SIGNED:	05/01/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 049058 FRAME: 0027

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Total Attachments: 6 source=Assignment_Executed#page1.tif source=Assignment_Executed#page2.tif source=Assignment_Executed#page3.tif source=Assignment_Executed#page4.tif source=Assignment_Executed#page5.tif source=Assignment_Executed#page6.tif

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Attorney Docket 3	\$3.11.11.11.15.1	\$ 27 K T & \$ 100 K TONESSEE

Little of Invention	Multi-Sensor Probabilistic Object Detection and Automated Braking
This declaration is direc	ted to:
Unite	ttached application, or d States application or PCT international application numberfiled on(I hereby authorize the insertion of the application filing date and then they become known.)
The above-identified ap	plication was made or authorized to be made by me.
I hereby state that I hat including the claims.	ve reviewed and understand the contents of the specification in the above-identified application,
I believe that I am 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 and or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECH of the State of Delawa hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its for the inventions and o name or names, or in m insert the serial applica 15/363,763 ASSIGNEE, its succes applications, in and to te	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto fNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws re, 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 breign, in and to the inventions and discoveries in the above-identified invention including the right successors, assigns or other legal representatives to make applications and to receive Letters Patent discoveries 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 ation number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
including applications forganizations, and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental arform 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	and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not	hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine more than five (5) years or both.
LEGAL NAME OF IN' Inventor: Sneha k	VENTOR Ladetotad Date 10/17/2016
Signature: W	Q;
	ta 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	Multi-Sensor Probabilistic Object Detection and Automated Braking
This declaration is direc	ied to:
☐ Unite	tached application, or I States application or PCT international application number filed on
number into this form w	hen they become known.)
The above-identified ap-	olication was made or authorized to be made by me.
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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 blications, material information which became available between the filing date of the prior hal 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 the ASSIGNEE, its afor the inventions and dname or names, or in minsert the serial/applications of the ASSIGNEE, its successapplications, in and to the including all application reexaminations and reise	
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 :	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not	rat 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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Inventor:	hin Date: 11715/2016
Signature:	
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.

Attorney Docker Number | 83734748 (FOTL-15800)

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)

THE OF THE CHICK	wulti-Sensor Propabilistic Object Detection and Automated Braking
This declaration is direct	ed to:
☐ United	ached application, or States application or PCT international application number
The above-identified app	lication was made or authorized to be made by me,
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FORD GLOBAL TECH? of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dis name or names, or in my insert the serial applicat 15/363,763 ASSIGNEE, its success applications, in and to the	sent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto ROLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and eign, in and to the inventions and discoveries in the above-identified invention including the right excessors, assigns or other legal representatives to make applications and to receive Letters Patent ecoveries 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 ion number and filing date of the application to receive Letters Patent herein: Serial No. Filing Date 11/29/2016), and I hereby sell, assign and set over to the ors, assigns or other legal representatives, all rights of priority, including any provisional inventions and discoveries in any and all countries, entities and intergovernmental organizations chaining benefit of the filing date hereof, continuations, continuations-in-part, divisionals, eapplications.
including applications for organizations, and to per-	nyself, 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 intergoveromental 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 an	d warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not m	t any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine are than five (5) years or both.
LEGAL NAME OF INVI	BOT TO THE TO THE CONTROL OF THE CON
	isambut murali
Signature:	
Note: An Application Data Use an additional declaration	Sheet (PTO/SP/14 or equivalent), including naming the entire inventive entity, must accompany this form. from the each additional inventor,

Title of Invent	ion Multi-Senso Braking	r Probabilistic	Object Dete	ction and	Automated
This declaration				en efemina anno anno anno angero anno a	
Ø	The attached application, United States application	or PCT international a			
number into this	form when they become kn	(I hereby at own.)	RESCRIPCE THE THEORIGIN	ror me appacan	on roing date and
The above-ident	ified application was made o	or authorized to be mad	fe by me.		
I hereby state the including the cla	at I have reviewed and und ims.	erstand the contents o	f the specification in	the above-iden	utied application,
I believe that I as	m the original inventor or ar	roriginal joint invento	r of a claimed invent	ion in the applic	ation.
for continuation-	e duty to disclose informati in-part applications, materi he national or PCT internati	ial information which	became available be	tween the filing	3, 1.56, including date of the prior
FORD GLOBAL laws of the Stat Michigan, herein title and interest including the rig receive Letters organizations, in ASSIGNEE or A Letters Patent has hereby sell, assi priority, including and intergoverno	employment agreement here LTECHNOLOGIES, LLC, to of Delaware, having its tafter referred to as the ASS t, domestic and foreign, in the of the ASSIGNEE, its se Patent for the inventions its or their own name or SSIGNEE's attorney to inserve in the ASSIGNEE's attorney to inserve in general No. 15/363,7 gn and set over to the ASS g any provisional application mental organizations includi- part, divisionals, reexamina	a Ford Motor Compa- principal place of but IGNEE, its successors, and to the invention accessors, assigns or of and discoveries in an names, or in my namert the serial/application 63 GIGNEE, its successorous, in and to the inventions cla-	ny subsidiary, organ siness at Dearborn, assigns or other legal separate ther legal representary and all countries e, at its or their elementary filing the11/2s, assigns or other lettions and discoveries iming benefit of the	ized and existing County of Way al representative in the above-ide itives to make ap a, entities and i ction (and I here at date of the appl 29/2016 egal representatives in any and all	g by virtue of the zne, and State of s, the entire right, entified invention oplications and to intergovernmental eby authorize the ication to receive
including applica organizations, a	ree for myself, my heirs, suc ations for Letters Patent of a nd to perform any and a nay deem necessary to secur	my and all kinds and in all acts which the /	n any and all countri ASSIGNEE, its suc	es, entities and i cessors, assign-	ntergovernmental
And I hereby rep	resent and warrant that I hav	ve not granted any righ	rts inconsistent with	the rights grante	d herein.
f hereby acknow fine or imprisom LEGAL NAME	ledge that any willful false neut of not more than five (S OF INVENTOR	statement made in th 5) years or both.	is declaration is pun	ishable under 18	6 U.S.C. 1001 by
	ongran Liu		Date:	11/04/2	16 J
Signature: £	my by				
	Data Sheet (PTO/SB/14 or technology from form for a sactivately)		ming the entire invent	ive entity, mast ac	company this form.

The second secon	
Attorney Docket Number	83734748 (FGTL-15800)

Title of Invention	Multi-Sensor Probabilistic Object Detection and Automated Braking	
This declaration is directed to:		
The attached application, or United States application or PCT international application number filed on (1 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 INVI		
Signature:	Thite: 122 (2546)	
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.		

RECORDED: 05/01/2019

Attorney Docket Number	83734748 (FGTL-15800)

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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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LEGAL NAME OF INV Inventor: Adil Niza		
	m Siddiqui Date: 10/14/2016	
Note: An Application Data Use an additional declaratio	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, in form for each additional inventor.	