PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5516204

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALI HASSANI	02/06/2019
ADIL NIZAM SIDDIQUI	02/05/2019
VIVEKANANDH ELANGOVAN	02/06/2019
JEFF DIPPEL	02/07/2019

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:	16270331

CORRESPONDENCE DATA

Fax Number: (312)269-1734

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.

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JAMES P. MURAFF **Correspondent Name:**

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Address Line 2: ATTN: PATENT ADMINISTRATOR

Address Line 4: CHICAGO, ILLINOIS 60602

ATTORNEY DOCKET NUMBER:	84108200 (026780.9268)
NAME OF SUBMITTER:	JAMES P. MURAFF
SIGNATURE:	/JAMES P. MURAFF/
DATE SIGNED:	05/09/2019

Total Attachments: 4

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ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL ORDESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	ANOMALOUS INPUT DE	IECTION	
This declaration is direct	ed to:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
United	tached application, or I States application or PCT internation filed on, (I hence they become known.)	onal application number creby authorize the insertion	of the application filing date and
The above-identified app	lication was made or authorized to l	ne made by me.	
I hereby state that I hav including the claims.	re reviewed and understand the con	ntents of the specification i	n the above-identified application,
I believe that I am the ori	ginal inventor or an original joint in	ventor of a claimed inventio	n in the application.
continuation-in-part app	o disclose information which is mate lications, material information wh hal or PCT international filing date of	iich became available betv	veen the filing date of the prior
FORD GLOBAL TECHI 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 ASSIGNEE, its success applications, in and to the	nent agreement heretofore made or NOLOGIES, LLC, a Ford Motor Cop, having its principal place of bus the ASSIGNEE, its successors, as reign, in and to the inventions and ducessors, assigns or other legal represerveries in any and all countries, ename, at its or their election (and I in number and filing date of the Filing Date cors, assigns or other legal represe inventions and discoveries in any as claiming benefit of the filing the applications.	empany subsidiary, organized iness at Dearborn, County of ssigns or other legal repressions or other legal repressions or other legal repressions and intergovernments and intergovernments hereby authorize the ASSIGNE application to receive he application to receive he application to receive and I here sentatives, all rights of present and all countries, entities are	d and existing by virtue of the laws of Wayne, and State of Michigan, entatives, the entire right, title and itified invention including the right itions and to receive Letters Patent al organizations, in its or their own GNEE or ASSIGNEE's attorney to Letters Patent herein: Serial No. by sell, assign and set over to the riority, including any provisional and intergovernmental organizations.
including applications fo organizations, and to per	nyself, my heirs, successors, assign r Letters Patent of any and all kind form any and all acts which the AS scure thereto the rights herein sold, r	ls and in any and all countr ISIGNEE, its successors, ass	ies, entities and intergovernmental
And I hereby represent ar	nd warrant that I have not granted an	y rights inconsistent with the	e rights granted herein.
	at any willful false statement made ore than five (S) years or both.	in this declaration is punish	able under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV		TV	2/6/2019
Inventor: Ali Hassa		Date:	<u></u>
Signature: W K	assalvi		
	Sheet (PTO/SB/14 or equivalent), incl n form for each additional inventor.	uding naming the entire invent	ive entity, must accompany this form.

Attorney Docket Number | 84108200 (026780.9268)

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 ANOMALOUS INPUT DETECTION
This declaration is directed to:
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 2/5/2019 Inventor: Adil Nizam Siddiqui Date:
Signature: Odd Tyram Saddigm

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.

Attorney Docket Number 84108200 (026780.9268)

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	ANOMALOUS INPUT DETI	ECTION
This declaration is directed	d to:	
	ached application, or States application or PCT internationfiled on(I here on they become known.)	nal application number eby authorize the insertion of the application filing date and
		and the second s
The above-identified appli	ication was made or authorized to be	made by me.
I hereby state that I have including the claims.	reviewed and understand the cont-	ents of the specification in the above-identified application,
I believe that I am the orig	inal inventor or an original joint inve	entor of a claimed invention in the application.
continuation-in-part appli		ial to patentability as defined in 37 C.F.R. 1.56, including for the became available between the filing date of the prior 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 i insert the serial/application	OLOGIES, LLC, a Ford Motor Com- having its principal place of busin- the ASSIGNEE, its successors, assi- gign, in and to the inventions and dis- excessors, assigns or other legal repre- coveries in any and all countries, ent- name, at its or their election (and I have no member and filing date of the filing Date	by contractual obligation, I do sell, assign and set over unto opany subsidiary, organized and existing by virtue of the laws less at Dearborn, County of Wayne, and State of Michigan, igns or other legal representatives, the entire right, title and scoveries in the above-identified invention including the right esentatives to make applications and to receive Letters Patent titles and intergovernmental organizations, in its or their own hereby authorize the ASSIGNEE or ASSIGNEE's attorney to exapplication to receive Letters Patent herein: Serial No
ASSIGNEE, its successo applications, in and to the	ors, assigns or other legal represe inventions and discoveries in any ar a claiming benefit of the filing da	entatives, all rights of priority, including any provisional and all countries, entities and intergovernmental organizations at the hereof, continuations, continuations-in-part, divisionals,
including applications for organizations, and to perfo	Letters Patent of any and all kinds	or other legal representatives to execute any and all papers, and in any and all countries, entities and intergovernmental IGNEE, its successors, assigns or other legal representatives signed and set over.
And I hereby represent and	I warrant that I have not granted any	rights inconsistent with the rights granted herein.
or imprisonment of not mo	ore than five (5) years or both.	this declaration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INVE Inventor: Vivekanance	NTOR dh Elangovan	2/6/2019 Date:
	kanandh Elangovan	
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	Sheet (PTO/SB/14 or equivalent), includ form for each additional inventor.	ling naming the entire inventive entity, must accompany this form.

	t Number	(026780.9268)	

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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.
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. ———————————————————————————————————
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 2/7/2019 Inventor: Jeff Dippel Date:
Signature: Xf Oppul
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.

PATENT REEL: 049148 FRAME: 0382

RECORDED: 05/09/2019