505267078 01/08/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5313850

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID MICHAEL HERMAN	01/04/2019
ASHWIN ARUNMOZHI	01/07/2019
VENKATESH KRISHNAN	01/07/2019
SUNIL PATIL	01/04/2019

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:	16242225

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.

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Correspondent Name: BEJIN BIENEMAN PLC FORD GLOBAL TECHNOLOG

Address Line 1: 2000 TOWN CENTER

Address Line 2: SUITE 800

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	84096601(65080-3117)	
NAME OF SUBMITTER:	MARK ST. AMOUR	
SIGNATURE:	/Mark St. Amour/	
DATE SIGNED:	01/08/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 047929 FRAME: 0110

505267078

Total Attachments: 4

source=84096601-Signed-Combined-Declaration-and-Assignment--all-4-inventors with filing info#page1.tif source=84096601-Signed-Combined-Declaration-and-Assignment--all-4-inventors with filing info#page2.tif source=84096601-Signed-Combined-Declaration-and-Assignment--all-4-inventors with filing info#page3.tif source=84096601-Signed-Combined-Declaration-and-Assignment--all-4-inventors with filing info#page4.tif

Title of Invention

and the second s	
Attorney Docket Number	84096601(65080-3117)

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)

LIQUID DROPLET PATH PREDICTION

This declaration is directe	d to:		
United United	<u>2,225</u> filed on <u>Jan. 8, 2019</u>	nternational application number O	n of the application filing date and
The above-identified appl	lication was made or authori	ized to be made by me.	
I hereby state that I have including the claims.	e reviewed and understand	the contents of the specification i	n the above-identified application,
I believe that I am the orig	ginal inventor or an original	joint inventor of a claimed inventio	n in the application.
continuation-in-part appli	ications, material informat	n is material to patentability as defin tion which became available betw ng date of the continuation-in-part ap	veen the filing date of the prior
FORD GLOBAL TECHN of the State of Delaware, hereinafter referred to as interest, domestic and force of the ASSIGNEE, its sucfor the inventions and discussed in the serial/application of the serial of the seri	NOLOGIES, LLC, a Ford M, having its principal place the ASSIGNEE, its successeign, in and to the invention eccessors, assigns or other lectories in any and all cour name, at its or their election number and filing date, Filing Date Januar ors, assigns or other legate inventions and discoveries is claiming benefit of the	made or by contractual obligation, later Company subsidiary, organized of business at Dearborn, County of sors, assigns or other legal represents and discoveries in the above-identries, entities and intergovernments in (and I hereby authorize the ASSIGN te of the application to receive by 8, 2019), and I hered representatives, all rights of presentatives, all rights of presentations, and all countries, entities are filing date hereof, continuations,	d and existing by virtue of the laws of Wayne, and State of Michigan, entatives, the entire right, title and atified invention including the right ations 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 for organizations, and to perfe	Letters Patent of any and form any and all acts which	s, assigns or other legal representati all kinds and in any and all countre the ASSIGNEE, its successors, asson sold, assigned and set over.	ies, entities and intergovernmental
And I hereby represent and	d warrant that I have not gra	anted any rights inconsistent with the	e rights granted herein,
or imprisonment of not mo	ore than five (5) years or bo	t made in this declaration is punish th.	able under 18 U.S.C. 1001 by fine
LEGAL NAME OF INVE Inventor: David Mic	ENTOR hael Herman	Date:	1/4/2019
	if Mund	Hermen _	
Digitature.			
	Sheet (PTO/SB/14 or equivalent form for each additional inventional inventiona	ent), including naming the entire invent ntor.	ive entity, must accompany this form.

Attorney Docket Number 84096601(65080-3117)

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	LIQUID DROPLET PATH PR	EDICTION		
This declaration is directed to:				
The attached application, or United States application or PCT international application number 16/242.225 filed on Jan. 8, 2019. (I hereby authorize the insertion of the application filing date and number into this form when they become known.)				
The above-identified appl	lication was made or authorized to be ma	ade by me.		
I hereby state that I hav including the claims.	e reviewed and understand the content	s of the specification in	the above-identified application,	
I believe that I am the ori	ginal inventor or an original joint invent	or of a claimed invention	n 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.				
FORD GLOBAL TECHTO of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its surfor the inventions and disname or names, or in my insert the serial/applicated 16/242,225 ASSIGNEE, its success applications, in and to the inventions all applications.	nent agreement heretofore made or by NOLOGIES, LLC, a Ford Motor Compact, having its principal place of business the ASSIGNEE, its successors, assign reign, in and to the inventions and disconcessors, assigns or other legal represent an any and all countries, entition name, at its or their election (and I hereign number and filing date of the applications, assigns or other legal represents in inventions and discoveries in any and as claiming benefit of the filing date applications.	ny subsidiary, organized at Dearborn, County (as or other legal represe veries in the above-iden statives to make applicates and intergovernmentate by authorize the ASSIC pplication to receive policy, and I here actives, all rights of propositions artifies are	of Wayne, and State of Michigan, of Wayne, and State of Michigan, ontatives, the entire right, title and tified invention including the right tions and to receive Letters Patent of 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 iority, including any provisional and interpolar repeatable propriets and interpolar repeatable propriets in the control of	
organizations, and to per	nyself, my heirs, successors, assigns or releters Patent of any and all kinds ar form any and all acts which the ASSIG oure thereto the rights herein sold, assign	NEE, its successors, as ned and set over.	signs or other legal representatives	
hard I hereby represent and warrant that I have not granted any rights inconsistent with the rights granted herein.				
and the second s	nt any willful false statement made in the ore than five (5) years or both.	nis declaration is punish	able under 18 U.S.C. 1001 by fine	
TERAL NAME OF INV	CIVIOR	Date:	01/07/2019	
Inventor: Ashwin A	runmozhi	Dave		
olanamice: A				
DiRigum	Sheet (PTO/SB/14 or equivalent), including from for each additional inventor.	g naming the entire inven	tive entity, must accompany this form	
Note: An Application Data	n form for each additional inventor.		7,	

Title of Invention

Attorney Docket Number	84096601	(65080	-3117)	

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)

LIQUID DROPLET PATH PREDICTION

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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. 16/242,225 , Filing Date January 8, 2019 , and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.
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: Venkatesh Krishnan / / Date: 1/7/19
Signature: Vehicatur
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: 01/08/2019

Attorney Docket Number	84096601(65080-3117)
Anorney Docker Number	1 8/1006601/65090 211/
THOUSE JOCKET HUMBEL	1 04020001103060-31173

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)

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I hereby state that I have reviewed and understand the contents of the specification in the above-identified application, including the claims.
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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. 16/242,225, Filing Date
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: Sunil Patil Date: 12/04 2019
Signature: Stand
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.