505957517 03/09/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT6004224 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RASHAUN PHINISEE	03/05/2020
VENKATESH KRISHNAN	03/05/2020
DANIEL KLEVORN	03/05/2020
VIJAY GUNASEKARAN	03/05/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16813010

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: 3135284882

Email: docket@b2iplaw.com

Correspondent Name: BEJIN BIENEMAN/FORD GLOBAL
Address Line 1: 2000 TOWN CENTER DRIVE

Address Line 2: SUITE 800

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER: 84238962(65080-3676)

NAME OF SUBMITTER: BRYAN T. HART

SIGNATURE: /BRYAN T. HART/

DATE SIGNED: 03/09/2020

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 052055 FRAME: 0721

505957517

source=84238962(65080-3676) - Signed Combined Declaration and Assignment all 4 inventors - with filing info#page1.tif

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source=84238962(65080-3676) - Signed Combined Declaration and Assignment all 4 inventors - with filing info#page4.tif

PATENT REEL: 052055 FRAME: 0722

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)

SENSOR-DRAINAGE APPARATUS

This declaration is	directed to:		
<i>J</i> K	The attached application, or Inited States application or PCT international application number 6/813,010 filed on Mar 9, 2020 (I hereby authorize the insertion of the application filing date and		
number into this for	rm when they become known.)		
The above-identifie	ed application was made or authorized to be made by me.		
I hereby state that including the claim	I have reviewed and understand the contents of the specification in the above-identified application, s.		
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.		
continuation-in-par	luty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for tapplications, material information which became available between the filing date of the prior 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. 16/813,010, Filing Date			
including applications, and	e for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ons for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives y to secure thereto the rights herein sold, assigned and set over.		
And I hereby repres	sent and warrant that I have not granted any rights inconsistent with the rights granted herein.		
or imprisonment of	lge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine not more than five (5) years or both.		
LEGAL NAME OF Inventor: Rash	TINVENTOR / Date: 3/5/2020		
Signature: <u>Kasi</u>	gardi Timinsed		
oignaune:			
	n Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. laration form for each additional inventor.		

PATENT REEL: 052055 FRAME: 0723

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)

SENSOR-DRAINAGE APPARATUS

This declaration is directed to:
The attached application, or United States application or PCT international application number 16/813,010 filed on Mar 9, 2020. (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. 16/813,010 , Filing Date March 9, 2020), 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: 3/5/2020
Inventor: Venkatesh Krishnan / Date: 3/3/-020 Signature: 2: What at 1
Organica,
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.
BATENT

PATENT REEL: 052055 FRAME: 0724

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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This declaration	is directed to:		
Number into this	The attached application, or United States application or PCT into 16/813,010 filed on Mar 9, 2020 form when they become known.)		on of the application filing date and
The above-identi	ified application was made or authoriz	zed to be made by me.	
I hereby state the	nat I have reviewed and understand ims.	the contents of the specification	in the above-identified application,
I believe that I ar	m the original inventor or an original	joint inventor of a claimed invent	ion in the application.
continuation-in-p	ne duty to disclose information which part applications, material informatione the national or PCT international filing	ion which became available be	tween the filing date of the prior
FORD GLOBAL of the State of I hereinafter referinterest, domestic of the ASSIGNE for the invention name or names, insert the serial 16/813,010 ASSIGNEE, its applications, in a including all ap reexaminations a	employment agreement heretofore management heretofore management. TECHNOLOGIES, LLC, a Ford Modelaware, having its principal place and to as the ASSIGNEE, its successory cand foreign, in and to the invention of the invention of the successors, assigns or other leads and discoveries in any and all country or in my name, at its or their election of the invention of the inventions and filing date to the inventions and discoveries oplications claiming benefit of the sand reissue applications.	otor Company subsidiary, organize of business at Dearborn, County sors, assigns or other legal representatives in the above-id gal representatives to make appliance, entities and intergovernment (and I hereby authorize the ASS te of the application to receive the polymer of the polymer of the application of the application of the in any and all countries, entities filing date hereof, continuations	red and existing by virtue of the laws of Wayne, and State of Michigan, esentatives, the entire right, title and entified invention including the right cations and to receive Letters Patent and organizations, in its or their own SIGNEE or ASSIGNEE's attorney to be Letters Patent herein: Serial No. are steply sell, assign and set over to the priority, including any provisional and intergovernmental organizations is, continuations-in-part, divisionals,
including applica	gree for myself, my heirs, successors, ations for Letters Patent of any and a and to perform any and all acts which sary to secure thereto the rights herein	all kinds and in any and all cour the ASSIGNEE, its successors, a	ntries, entities and intergovernmental
And I hereby rep	present and warrant that I have not gra	anted any rights inconsistent with	the rights granted herein.
•	rledge that any willful false statements of not more than five (5) years or bot	-	shable under 18 U.S.C. 1001 by fine
	OF INVENTOR	ъ.	03/05/2020
·	Daniel Klevorn ' // //	Date:	
Signature:	Daniel Klevorn		
Note: A - A1'	otion Data Chart (BTO/CD/14 1	nt) including namina the auti	antivo antity must access 4:- C
	ation Data Sheet (PTO/SB/14 or equivale		entive entity, must accompany this form.

Use an additional declaration form for each additional inventor.

PATENT

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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The above-identified application was made or authorized to be made by me.			
hereby state that I have reviewed and understand the contents of the specification in the above-identified applicational transport of the specification in the above-identified application and the claims.	on,		
believe that I am the original inventor or an original joint inventor of a claimed invention in the application.			
am aware of the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including ontinuation-in-part applications, material information which became available between the filing date of the propolication 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. 16/813,010 , Filing Date March 9, 2020 , 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.			
EGAL NAME OF INVENTOR nventor: Vijay Gunasekaran Date: 03/05/2020			
signature: Vijay Gunasekaran			
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this fo	rm.		
Use an additional declaration form for each additional inventor. PATENT			
I A I LIN I			

RECORDED: 03/09/2020 REEL: 052055 FRAME: 0726