PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7130072

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZENG QIU	12/03/2021
RAJIT JOHRI	12/03/2021
CRAIG WINFIELD PETERSON	01/19/2022
ALIREZA GOSHTASBI	12/04/2021
HAO WANG	12/02/2021
MING CHENG	01/10/2022
WILLIAM FREDERICK SANDERSON JR.	12/03/2021

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	1 AMERICAN ROAD FL4
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126-2701

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17578971

CORRESPONDENCE DATA

Fax Number: (248)358-3351

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: 248-358-4400

Email: journedian@brookskushman.com

Correspondent Name: BROOKS KUSHMAN P.C. Address Line 1: 1000 TOWN CENTER

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, UNITED STATES 48075

ATTORNEY DOCKET NUMBER:	84418797 (FMC10251PUS)
NAME OF SUBMITTER:	JAMES A. BERTINO
SIGNATURE:	/James A. Bertino/
DATE SIGNED:	01/20/2022

Total Attachments: 7 source=FMC 10251 PUS - Assignment#page1.tif source=FMC 10251 PUS - Assignment#page2.tif source=FMC 10251 PUS - Assignment#page3.tif source=FMC 10251 PUS - Assignment#page4.tif source=FMC 10251 PUS - Assignment#page5.tif source=FMC 10251 PUS - Assignment#page6.tif source=FMC 10251 PUS - Assignment#page7.tif

		_
and the second s	1 04410505	
Attorney Docket Number	84418797	
HUMBEV INCKEL NUMBER	1 33-5-6140.7-77	
	1 (D) 1 (O) T T(D) 0, (V)	

i ille of Invention	VEHICLE FUEL CELL PURGING SYSTEM	
This declaration is directed	ed to:	
X The attached application, or United States application or PCT international application number filed on		
The above-identified app	lication was made or authorized to be made by me.	
I hereby state that I hav including the claims.	e reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the ori	ginal 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. 17/578,971 , Filing Date January 19, 2021), 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.		
	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine tore than five (5) years or both.	
LEGAL NAME OF INV		
Inventor: Zeng Qiu	Date: 12700/2021	
Signature: <u>Jong</u>	-Qiu/	
and the contract of the contra	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attomore Disolest Memobian	1 9//19707
Attorney Docket Number	04410/7/

Title of Invention	VEHICLE FUEL CELL PURGING SYSTEM	
This declaration is directe	ed to:	
X 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 app	lication was made or authorized to be made by me.	
I hereby state that I hav including the claims.	e reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the ori	ginal 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. 17/578,971, 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.		
	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine tore than five (5) years or both.	
LEGAL NAME OF INV	ENTOR 12/03/2021	
Inventor: Rajit John	i Date:	
/Rajit Joh	ri/	
Signature:		
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	84418797

Title of Invention	VEHICLE FUEL CELL	PURGING SYSTEM	
This declaration is directe	ed to:		
United	X 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 app	lication was made or authorized	to be made by me.	
I hereby state that I have including the claims.	e reviewed and understand the	contents of the specification in the above-identified application,	
I believe that I am the ori	ginal inventor or an original join	inventor of a claimed invention in the application.	
continuation-in-part app	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 filling date of the application to receive Letters Patent herein: Serial No. 17/578,971, Filing Date			
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.			
	at any willful false statement ma nore than five (5) years or both.	de in this declaration is punishable under 18 U.S.C. 1001 by fine	
LEGAL NAME OF INV		Date: 01/19/2022	
Signature: /Craig V	Vinfield Peterson/		
Note: An Ameliantian Date	Short (DTO/SB/14 or agriculture)	including naming the entire inventive entity, must accompany this form.	
	n form for each additional inventor	moreomy naming me entire myentive entity, must accompany this form.	

Attorney Docket Number	84418797

Title of Invention	VEHICLE FUEL CELL PURGING	SSYSTEM
This declaration is directed to:		
		cation number sorize the insertion of the application filing date and
The above-identified app	lication was made or authorized to be made by	y me.
I hereby state that I have including the claims.	e reviewed and understand the contents of	the specification in the above-identified application,
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. 17/578,971 , Filing Date		
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 INV Inventor: Alireza G		Date: 12/04/2021
	za Goshtasbi <mark>1</mark>	
	a Sheet (PTO/SB/14 or equivalent), including names for form for each additional inventor.	ting the entire inventive entity, must accompany this form.

Attorney Docket Number	84418797

Title of Invention	VEHICLE FUEL CELL PURGI	NG SYSTEM
This declaration is directe	ed to:	
	ached application, or States application or PCT international ap filed on (I hereby a ten they become known.)	plication number uthorize the insertion of the application filing date and
The above-identified app	lication was made or authorized to be mad	e by me.
I hereby state that I hav including the claims.	e reviewed and understand the contents	of the specification in the above-identified application,
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
continuation-in-part appl		patentability as defined in 37 C.F.R. 1.56, including for came available between the filing date of the prior ontinuation-in-part application.
FORD GLOBAL TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and disname or names, or in my insert the serial/applicat 17/578,971 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu	NOLOGIES, LLC, a Ford Motor Company e, having its principal place of business as the ASSIGNEE, its successors, assigns reign, in and to the inventions and discoverescessors, assigns or other legal representations in any and all countries, entities name, at its or their election (and I herebtion number and filing date of the appropriate of the property of the property of the property of the inventions and discoveries in any and also claiming benefit of the filing date have applications.	ntractual obligation. I do sell, assign and set over unto subsidiary, organized and existing by virtue of the laws it Dearborn. County of Wayne, and State of Michigan, or other legal representatives, the entire right, title and ries in the above-identified invention including the right dives to make applications and to receive Letters Patent and intergovernmental organizations, in its or their own y authorize the ASSIGNEE or ASSIGNEE's attorney to dication to receive Letters Patent herein: Serial No. 1), and I hereby sell, assign and set over to the ves, all rights of priority, including any provisional I countries, entities and intergovernmental organizations ereof, continuations, continuations-in-part, divisionals,
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.		
or imprisonment of not m	nore than five (5) years or both.	declaration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INVI		Date: 12/2/2021
Signature: /Hao Wa		
	i Sheet (PTO/SB/14 or equivalent), including in form for each additional inventor.	naming the entire inventive entity, must accompany this form.

	· - · · ·
Attorney Docket Number	84418797

Title of Invention	VEHICLE FUEL CELL PURGING SYSTEM
This declaration is directed to:	
	ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and then they become known.)
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I have including the claims.	re reviewed and understand the contents of the specification in the above-identified application,
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.	
FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and disname or names, or in my insert the serial/applicate 17/578,971 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissue. And I hereby agree for rincluding applications for	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, r 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 INV. Inventor: Ming Che	
Signature: /Ming C	
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

RECORDED: 01/20/2022

Attorney Docket Number	84418797

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	VEHICLE FUEL CELL PURGING SYSTEM	
This declaration is directed	ed to:	
X 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. 17/578,971 , Filing Date January 19, 2021), 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 INV. Inventor: William F	ENTOR rederick Sanderson Date: 12/3/21	
	F. Sanderson Jr./	
	et obrogana i to i i i i i i i i i i i i i i i i i	
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, a form for each additional inventor.	