507173696 03/11/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7220542

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNMENT DOCUMENT FOR THE SEVENTH INVENTOR WITH THE REPLACEMENT DOCUMENT ATTACHED previously recorded on Reel 058704 Frame 0080. Assignor(s) hereby confirms the 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.	02/16/2022

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: 2483584400

Email: joumedian@brookskushman.com

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

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

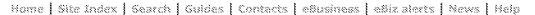
ATTORNEY DOCKET NUMBER: 84418797 (FMC10251PUS)

NAME OF SUBMITTER: JAMES A. BERTINO

SIGNATURE:	/James A. Bertino/
DATE SIGNED:	03/11/2022
Total Attachments: 9	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZENG QIU	12/03/2021
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WILLIAM FREDERICK SANDERSON, JR.	12/03/2021

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State/Country:	MICHIGAN
Postal Code:	48126-2701

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17578971

CORRESPONDENCE DATA

Fax Number: (248)358-3351

Phone: 248-358-4400

Email: joumedian@brookskushman.com

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.

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:	01/20/2022

Total Attachments: 7

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RECEIPT INFORMATION

EPAS ID: PAT7130072 **Receipt Date:** 01/20/2022

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Attorney Docket Number	1 (NH+ECO) (NL)	
2 APPOILED T EX CONTOU I TOMATO CI		

i itie of invention	VEHICLE FUEL CELL PURGING SYSTEM	
This declaration is directed 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.		
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 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	^*	
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 ar	nd 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 12/02/2021	
Inventor: Zeng Qiu		
Signature: Jeng	-Quef	
	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 direct	ed to:
	tached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and nen 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 ori	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 lications, material information which became available between the filing date of the prior nal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECH of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffer the inventions and diname or names, or in my insert the serial/applications and to the including all application reexaminations and reissuant And I hereby agree for a including applications for	nent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws a 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 reign, in and to the inventions and discoveries in the above-identified invention including the right accessors, assigns or other legal representatives to make applications and to receive Letters Patent scoveries in any and all countries, entities and intergovernmental organizations, in its or their own vame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
	ecure thereto the rights herein sold, assigned and set over.
And I hereby represent a	nd 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 nore than five (5) years or both.
LEGÂL NAME OF INV	ENTOR 12/03/2021
Inventor: Rajit John /Rajit John	
Signature:	11 Ar
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.

Attorney Docket Number	84418797	

Title of Invention	VEHICLE FUEL CELL I	PURGING SYSTEM
This declaration is directed to:		
		tional application number hereby authorize the insertion of the application filing date and
The above-identified app	lication was made or authorized to	o 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.
continuation-in-part app	lications, material information	aterial to patentability as defined in 37 C.F.R. 1.56, including for which became available between the filing date of the prior e 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 su for the inventions and dis name or names, or in my insert the serial/applicat 17/578,971 ASSIGNEE, its success applications, in and to th including all application reexaminations and reissu And I hereby agree for re	NOLOGIES, LLC, a Ford Motor e, having its principal place of be the ASSIGNEE, its successors, reign, in and to the inventions and accessors, assigns or other legal rescoveries in any and all countries name, at its or their election (and tion number and filing date of Filing Date January sors, assigns or other legal repe inventions and discoveries in an as claiming benefit of the filing the applications. myself, my heirs, successors, assigns or other legal repeated in the filing the applications.	or by contractual obligation, I do sell, assign and set over unto Company subsidiary, organized and existing by virtue of the laws usiness at Dearborn, County of Wayne, and State of Michigan, assigns or other legal representatives, the entire right, title and I discoveries in the above-identified invention including the right epresentatives to make applications and to receive Letters Patent, entities and intergovernmental organizations, in its or their own of I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the application to receive Letters Patent herein: Serial No. 19, 2021), and I hereby sell, assign and set over to the presentatives, all rights of priority, including any provisional my and all countries, entities and intergovernmental organizations of date hereof, continuations, continuations-in-part, divisionals, again 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 as	nd warrant that I have not granted	any rights inconsistent with the rights granted herein.
	at any willful false statement mad 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. Inventor: <u>Craig Wir</u>	ENTOR nfield Peterson	Date: 01/19/2022
Signature: /Craig V	Vinfield Peterson/	
Note: An Ameliantian Date	Short (DTO/SD/14 as novimber)	ncluding naming the entire inventive entity, must accompany this form.
	n Sneet (r 10/36/14 or equivalent), 1 n form for each additional inventor	necessary manning me come inventore entity, must accompany this form.

Attorney Docket Number	84418797	

Title of Invention	VEHICLE FUEL CELL PU	RGING SYSTEM
This declaration is directed to:		
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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 cont	ents of the specification in the above-identified application,
I believe that I am the ori	ginal inventor or an original joint inv	entor of a claimed invention in the application.
continuation-in-part app		ial to patentability as defined in 37 C.F.R. 1.56, including for ch became available between the filing date of the prior 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 su for the inventions and dis name or names, or in my insert the serial/applicat 17/578,971 ASSIGNEE, its success applications, in and to th including all application reexaminations and reisse And I hereby agree for r including applications fo organizations, and to per	NOLOGIES, LLC, a Ford Motor Core, having its principal place of busing the ASSIGNEE, its successors, assering, in and to the inventions and discressors, assigns or other legal repressoration in any and all countries, en mame, at its or their election (and I lation number and filing date of the languary 19 sors, assigns or other legal represse inventions and discoveries in any and all acts which the ASS form any and all acts which the ASS form any and all acts which the ASS	by contractual obligation, I do sell, assign and set over unto apany subsidiary, organized and existing by virtue of the laws aress at Dearborn, County of Wayne, and State of Michigan, signs 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 expelication to receive Letters Patent herein: Serial No. 2021), and I hereby sell, assign and set over to the entatives, all rights of priority, including any provisional and all countries, entities and intergovernmental organizations are hereof, continuations, continuations-in-part, divisionals, and in any and all countries, entities and intergovernmental SIGNEE, its successors, assigns or other legal representatives
-	ecure thereto the rights herein sold, as	rights inconsistent with the rights granted herein.
I hereby acknowledge th		n this declaration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV Inventor: Alireza G	- 10 kg - 4kg - 10 kg -	Date: 12/04/2021
	ra Goshtasbi 1	
	Sheet (PTO/SB/14 or equivalent), inclu	ding naming the entire inventive entity, must accompany this form.

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Attorney Docket Number	1 XAATXU97
2 thorney Docker Fideliocs	1 07710127

Title of Invention	VEHICLE FUEL CELL PURGING SYSTEM
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The above-identified app	lication was made or authorized to be made by me.
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FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and diname or names, or in my insert the serial/applicated 17/578,971 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissue. And I hereby agree for the state of the s	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers,
including applications fo organizations, and to per	or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ecure thereto the rights herein sold, assigned and set over.
And I hereby represent as	nd 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 nore than five (5) years or both.
LEGAL NAME OF INV Inventor: Hao Wan-	(2020(20)
/Hao Wa	
	s Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, in form for each additional inventor.

 		
Attorney Docket Number	84418797	

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LEGAL NAME OF INV		
Signature: /Ming C		
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Please direct all correspondence to: 28395

RECORDED: 03/11/2022

Attorney Docket Number	84418797
Audiney Docket Number	07710/7/

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 to:	
X United	sached application, or States application or PCT international application number 78,971 filed on January 19, 2022 . (I hereby authorize the insertion of the application filing 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,
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including applications fo organizations, and to per	nyself, 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 form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ecure thereto the rights herein sold, assigned and set over.
And I hereby represent ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not m	at 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 INV. Inventor: William F	ENTOR Frederick Sanderson Jr. Date: 2/16/22
· · · · · · · · · · · · · · · · · · ·	Frederick Sanderson Jr./
	s Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.