504516474 08/23/2017

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MOHAN KARULKAR	08/08/2017
ANDREW ROBERT DREWS	08/08/2017
BRIAN JOSEPH ROBERT	08/07/2017

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	FAIRLANE PLAZA SOUTH, SUITE 800
Internal Address:	330 TOWN CENTER DRIVE
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15684484

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.

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Email: kgrand@brookskushman.com **Correspondent Name:** BROOKS KUSHMAN P.C./FGTL

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Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER:	FMC7985PUS (83836157)
NAME OF SUBMITTER:	COREY J. NEIL
SIGNATURE:	/Corey J. Neil/
DATE SIGNED:	08/23/2017

Total Attachments: 3

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PATENT 504516474 REEL: 043374 FRAME: 0561

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Attorney Docket Number	83836157

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)

1 itie of invention	CELLS	TED VENT GAS EXPULSION IN BATTERY
This declaration is direct		
United	tached application, or States application or PCT internationa filed on (I here then they become known.)	al application number by authorize the insertion of the application filing date and
The above-identified app	lication was made or authorized to be	made by me.
I hereby state that I havincluding the claims.	re reviewed and understand the conte	ents of the specification in the above-identified application,
I believe that I am the ori	ginal inventor or an original joint inve	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 the became available between the filing date of the prior the continuation-in-part application.
FORD GLOBAL TECHTOR of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffor the inventions and diname or names, or in my insert the serial/applicated 15/684,484 ASSIGNEE, its success applications, in and to the	NOLOGIES, LLC, a Ford Motor Compe, having its principal place of busines the ASSIGNEE, its successors, assigneign, in and to the inventions and discuccessors, assigns or other legal repressors assigns or other legal repressors are in any and all countries, entive name, at its or their election (and I have a have a hard and filing date of the hard and filing date of the hard and sort and sort and any and and sort and discoveries in any and and claiming benefit of the filing date.	by contractual obligation, I do sell, assign and set over unto apany subsidiary, organized and existing by virtue of the laws ess at Dearborn, County of Wayne, and State of Michigan, igns or other legal representatives, the entire right, title and acoveries in the above-identified invention including the right sentatives to make applications and to receive Letters Patent exities and intergovernmental organizations, in its or their own tereby authorize the ASSIGNEE or ASSIGNEE's attorney to exapplication to receive Letters Patent herein: Serial No. 217), 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,
including applications for organizations, and to per	or 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 as	nd warrant that I have not granted any	rights inconsistent with the rights granted herein.
	at any willful false statement made in more than five (5) years or both.	this declaration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV Inventor: Mohan K	ENTOR	8/8/17 Date:
·		
	a Sheet (PTO/SB/14 or equivalent), includ	ding naming the entire inventive entity, must accompany this form.

Attorney Docket Number	02024147
vanished to devel language	03000137

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	APPARATUS FOR DIRECTED VENT GAS EXPULSION IN BATTERY CELLS
This declaration is directed	edito:
United United	ached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and en 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 joint inventor of a claimed invention in the application.
continuation-in-part appl	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 all or PCT international filing date of the continuation-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 15/684,484 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissu	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, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and eign, in and to the inventions and discoveries in the above-identified invention including the right occasions, assigns or other legal representatives to make applications and to receive Letters Patent acoveries in any and all countries, entities and intergovernmental organizations, in its or their own name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ion number and filing date of the application to receive Letters Patent herein; Serial No. ———————————————————————————————————
including applications for organizations, and to per-	rysen, my nears, successors, assigns or other legar representatives to execute any and air 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 cure thereto the rights herein sold, assigned and set over.
And I hereby represent an	d warrant that I have not granted any rights inconsistent with the rights granted herein.
	it any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.
LEGAL NAME OF INVE	
Inventor: Andrew R	obert Drews7 Date: \$18,20(
Signature:	400
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

RECORDED: 08/23/2017

	A A A A A A A A A A A A A A A A A A A
	Q 2 Q 2 L 3 K 3
Attorney Docket Number	83836157
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Amorne, Dear	·····

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	APPARATUS FOR DIRECTED VENT GAS EXPULSION IN BATTERY
This declaration is direct	CELLS 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 nen they become known.)
The above-identified app	dication was made or authorized to be made by me.
I hereby state that I have including the claims.	ve reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the or	iginal 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. 15/684,484 , Filing Date August 23, 2017 , 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.	
including applications for	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives secure 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.
or imprisonment of not r	nat 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	VENTOR Supplied to the supplied of the supplind of the supplied of the supplied of the supplied of the supplin
Signature:	3ri J. Halest
-	PL - /PTO/SB/14 or equivalent), including paming the
Note: An Application Dat Use an additional declaration	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.