505305090 01/30/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5351870

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERTO CAPORALI	01/15/2019
PETER EASTWOOD	01/28/2019
ANTHONY BIRRI	01/22/2019

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:	16262742

CORRESPONDENCE DATA

Fax Number: (971)271-8021

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: 971-271-8020
Email: Tapia@mccrus.com
Correspondent Name: MCCOY RUSSELL LLP

Address Line 1: 806 S.W. BROADWAY, SUITE 600 Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER:	84113929
NAME OF SUBMITTER:	ASHLEY R. TAPIA
SIGNATURE:	/Ashley R. Tapia/
DATE SIGNED:	01/30/2019

Total Attachments: 3

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PATENT 505305090 REEL: 048195 FRAME: 0574

Attorney Docket Number	84113929

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	AN EXHAUST GAS TREATMENT DEVICE COMPRISING AN								
	ELECTROCHEMICAL CELL								
This declaration is direct	· · · · · · · · · · · · · · · · · · ·								
	tached application, or								
United	I States application or PCT international application number (I heraby authorize the insertion of the application filing date and								
number into this form wl	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	olication 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.								
continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for discations, 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 Delawar hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its state for the inventions and diname or names, or in my insert the serial/applica 16/262,742 patent application No. I successors, assigns or of inventions and discovericlaiming benefit of the applications. And I hereby agree for the state of	ment 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 e, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is 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 successors, assigns or other legal representatives to make applications and to receive Letters Patent iscoveries in any and all countries, entities and intergovernmental organizations, in its or their own way name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to tion number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————								
	rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives becure 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.								
	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	ENTOR 15/01/019								
Inventor: Roberto C	Caporali Date: 15/01/2019								
Signature: Lel	1960è								
Note: An Application Par	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.								
	on form for each additional inventor.								

PATENT REEL: 048195 FRAME: 0575

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Afformey Docket	F N 24 5 5 22 3 50 30	

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	uaçunu application or PCT international application number
	fied on
number toto this form w	hen they become known.)
The above-identified app	olication was made or authorized to be made by me.
I hereby state that I ha 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.
continuation-in-part app	o discluse information which is material to patentability as defined in 37 C.F.R. 1.56, including for blications, material information which became available between the filing date of the prior hal or PCT international filing date of the continuation-in-part application.
portion and to per applications. And I hereby agree for gamizations. And I hereby agree for gamizations, and to per applications.	ment agreement heretofore made or by contractual obligation. I do sell, assign and act over unto NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the layer e, having its principal place of husiness at Dearborn, County of Wayne, and State of Michigan. It to the inventions and disabveries to other legal representatives, the entire right, fitle and reign, in and to the inventions and disabveries to make applications and to receive Letters Patern scoveries in any and ell countries, entitles 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 from number and illing date of the application to receive Letters Patern herein. Serial No. — Filing Date — January 30, 2019 —), which claims priority to Great Britain patent is better legal representatives, all rights of priority, including any provisional applications, in and to the est in any and all countries, entities and intergovernmental organizations including all applications filling date hereof, continuations, continuations—in-part, divisionals, reexaminations and reissue 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 form any and all auts which the ASSIGNEE, its successors, assigns or other legal representatives occure thereto the rights herein sold, assigned and set over.
And I hureby represent a	nd warrant that I have not granted only rights inconsistent with the rights granted herein.
of imprisonment of each	ist any willful false statement made in this declaration is punishable under 18 U.S.C. 100) by fine ture than five (5) years or both.
LEGAL NAME OF INV Inventor: — Beier East	,
Inventor: <u>Heter Case</u>	1800
Signature: 147	elwood 54 " 23, 2019
Note: An Application Data Use un additional declaratio	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive antity, must accompany this form, a form for each additional inventor.

PATENT REEL: 048195 FRAME: 0576

RECORDED: 01/30/2019

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This declaration is direc-	led to:
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United	States application or PCT international application number
number into this form w	filed on (I hereby authorize the insertion of the application filing date and hen they become known.)
The above-identified app	olication was made or authorized to be made by me.
I hereby state that I has including the claims,	ve reviewed and understand the contents of the specification in the above-identified application,
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conuntiation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for disciplinary descriptions, material information which became available between the filing date of the prior nal or PCT international filing date of the continuation-in-part application.
of the State of Delawar hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its sit for the inventions and diname or names, or in my insert the serial/applica 16/262,742 patent application No. I successors, assigns or of inventions and discoveri	NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws e, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, is 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 mame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to tion number and filing date of the application to receive Letters Patent herein: Scrial No. ———————————————————————————————————
organizations, and to per	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 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 a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge the or imprisonment of not n	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
Inventor: Anthony	Birri (22 01 2014
Signature:	
Note: An Application Data Use an additional declaratio	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, in form for each additional inventor.

PATENT REEL: 048195 FRAME: 0577