PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6891585

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RACHAEL JEAN HARRINGTON	07/10/2019
EVA THANASIU	07/09/2019
HUNGWEN JEN	07/11/2019
GIOVANNI CAVATAIO	07/10/2019
JEFFREY SCOTT HEPBURN	07/10/2019

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:	17446425

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.

9712718020 Phone: Email: finley@mccrus.com **Correspondent Name:** MCCOY RUSSELL LLP

Address Line 1: 1410 NW JOHNSON ST. SUITE 201

Address Line 4: PORTLAND, OREGON 97209

84407753 ATTORNEY DOCKET NUMBER: NAME OF SUBMITTER: DAWSON FINLEY SIGNATURE: /Dawson Finley/ **DATE SIGNED:** 08/30/2021

Total Attachments: 5

PATENT REEL: 057332 FRAME: 0278

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Attorney Docket Number	84160405

Title of Invention	EXHAUST TREATMENT SYSTEM INCLUDING NICKEL-							
	CONTAINING CATALYST							
This declaration is directed	ed to:							
	States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and							
number into this form wh	en 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.	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 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 ications, 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/applications and to the applications, in and to the	ors, assigns or other legal representatives, all rights of priority, including any provisional inventions and discoveries in any and all countries, entities and intergovernmental organizations is claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals,							
including applications for organizations, and to perf	syself, my heirs, successors, assigns or other legal representatives to execute any and all papers, 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.							
or imprisonment of not me	t 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: Rachael Je								
	A							
Signature:	hael Flanington							
Note: An Application Data Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.							

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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 17/446,425 ASSIGNEE, its success applications, in and to the including all application reexaminations and reisson And I hereby agree for including applications for organizations, and to per organizations, and to per hereinforces.	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 at 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 accoveries in any and all countries, entities and intergovernmental organizations, in its or their own aname, 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. ———————————————————————————————————							
And I hereby represent a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.							
or imprisonment of not n	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: Eva Than	asiu Date: (///20//							
Signature: En	Manon							
Note: An Application Date	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.							

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Title of Invention	EXHAUST TREATMENT S CONTAINS	YSTEM INCLUDING NICKEL- NG CATALYST
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The stiac United St	hed application, or sies application or PCT international applica filed on (I hereby author they become known.)	tion number uze the insertion of the application filing date and
The above-identified applica-	ition was made or authorized to be made by i	me
		e specification in the above-identified application.
I believe that I am the origin	al invenior or an original joint inventor of a	dained invention in the application
continuation-in-part applica	sciose information which is material to pute tions, material information which became or PC1 international filing date of the contin	ntability as defined in 37 C.F.R. 1.56, including for a available between the filing date of the prior station-in-part application.
FORD GLOBAL TECHNOR of the State of Delaware, is sereinafter referred to as the interest, domestic and foreign of the ASSIGNEE, its succes or the inventions and discoverance or names, or in my manual insert the serial/application 17/446,425 (SSIGNEE, its successors, pplications, in and to the im-	OGIES LLC a Ford Motor Company substruction its principal place of business at DevaSIGNEE its successors, assigns or of a in and to the inventions and discoveries a soors, assigns or other legal representatives eries in any and all countries, entities and me at its or their election (and I hereby aut market and filing date of the application of the August 30, 2021 assigns or other legal representatives, entions and discoveries in any and all consuming benefit of the filing date hereof	nationing and it do sell, assign and set over ante- sitiary, organized and existing by orther of the law- arborn, County of Wayne, and State of Michigan her legal representatives, the entire right, title and if the above identified invention including the right to make applications and to receive Letters Pater intergovernmental organizations, in its or their ow- horize the ASSIGNED or ASSIGNED satisfies to on to receive Letters Paters berein. Senal No. ————————————————————————————————————
coming apparaments for the gamzations, and to perform		egal representatives to execute any and all paper y and all countries, entities and intergovernment is successors, assigns or other legal representative I set over
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erchy acknowledge that an Supersonment of not more (y willful faise statement made in this decl han five (5) years or both	arstron is punishable under 18 U.S.C. 1001 by fit
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	Ver Dar	Date: <u>/////2019</u>
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en annual man declaration from	for each additional inventor	PATENT

REEL: 057332 FRAME: 0282

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Attorney Docket Number	84160405

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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 17/446,425  ASSIGNEE, its success applications, in and to the	ors, assigns or other legal representatives, all rights of priority, including any provisional inventions and discoveries in any and all countries, entities and intergovernmental organizations claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals.							
including applications for organizations, and to perf	hyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, 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.							
or imprisonment of not me	t 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: <u>Giovanni</u> (								
Atventor. Otovanni C	Cavataio Date: 07/10/2019							
Signature: Giova	nni Caviton							
Note: An Application Data Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.							

Attorney Docket Number	84160405

Title of Invention	EXHAUST TREATMENT SYSTEM INCLUDING NICKEL-
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This declaration is directed to:	
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number into this form wh	en 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. 17/446,425, 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 ar	nd 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.	
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Signature: 38	Hopling
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	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.  In form for each additional inventor.
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