504179473 01/16/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4227106

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERIK DE SMET	01/11/2017
KIM FORD	01/03/2017
MARCUS TIMOTHY DAVIES	01/03/2017

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
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City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15407138

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER: 83758259	
NAME OF SUBMITTER:	ASHLEY R. TAPIA
SIGNATURE:	/Ashley R. Tapia/
DATE SIGNED:	01/16/2017

Total Attachments: 3

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PATENT 504179473 REEL: 040978 FRAME: 0045

Attorney Docker			
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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 METHOTOF	SYSTEM
This declaration is directed to:	
	PCT international application number (I hereby authorize the insertion of the application filing date and
The above-identified application was made or	authorized to be made by me.
	erstand the contents of the specification in the above-identified application.
I believe that I am the original inventor or an o	original joint inventor of a claimed invention in the application.
continuation-in-part applications, material is	n which is material to patentability as defined in 37 C.F.R. 1.56, including for information which became available between the filing date of the prior nal filing date of the continuation-in-part application.
FORD GLOBAL TECHNOLOGIES, LLC, a of the State of Delaware, having its principal hereinafter reterred to as the ASSIGNEE, in interest, domestic and foreign. In and to the it of the ASSIGNEE, its successors, assigns or for the inventions and discoveries in any and name or names, or in my name, at its or their insert the serial/application number and full 15/407,138. Filing Date Application No. 102016200941,9, filed on Jasuccessors, assigns or other legal representation inventions and discoveries in any and all coursaming benefit of the filing date hereof, applications. And I hereby agree for myself, my heirs, say	tofore made or by contractual obligation, I do sell, assign and set over unto Furd Motor Company subsidiary, organized and existing by virtue of the laws all place of business at Dearborn, County of Wayne, and State of Michigan, a successors, assigns or other legal representatives, the entire right, title and eventions and discoveries in the above-identified invention including the right other legal representatives to make applications and to receive Letters Patent all countries: entities and intergovernmental organizations, in its or their own or election (and I bereby authorize the ASSIGNEE or ASSIGNEE's attorney to fing date of the application to receive Letters Patent herein: Serial No. January 16, 2017 , which claims priority to German Patent truary 22, 2016), and I hereby sell, assign and set over to the ASSIGNEE, its ves, all rights of priority, including any provisional applications, in and to the intries, entities and intergovernmental organizations including all applications continuations, continuations-in-part, divisionals, reevantinations and reissue accessors, assigns or other legal representatives to execute any and all papers, any and all kinds and in any and all countries, entities and intergovernmental
organizations, and to perform any and all act may deem necessary to secure thereto the righ	s which the ASSIGNEE, its successors, assigns or other legal representatives us herein sold, assigned and set over:
And I hereby represent and warrant that I have	e not granted any rights inconsistent with the rights granted berein.
or imprisonment of not more than five (5) year	natement made in this declaration is purishable under 18 U.S.C. 1001 by fine irs or both.
LEGAL NAME OF INVENTOR Inventor: Frederik De Stiet	Oile 1/1.01.2019-
Signature:	Ode 11.01.2014
Note: An Application Data Sheet (PTO/SB):4 or Use an additional declaration form for each addition	equivalent), including naming the entire inventive entity, mest accompany this form, and inventor.

PATENT REEL: 040978 FRAME: 0046

	
Attorney Docket Number	83758259

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	METHOD OF MONITORING AN EXHAUST GAS AFTERTREATMENT SYSTEM	
This declaration is directed to:		
United	Itached application, or If States application or PCT international application number filed on	
	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.	
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. 15/407,138 , 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.		
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: <u>Kim Fo</u>	""	
Signature:	X 400	
ALVANO .		
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

PATENT REEL: 040978 FRAME: 0047

Please direct all correspondence to customer number: 36865

RECORDED: 01/16/2017

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	Attorney Docket Number	83758259	

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	METHOD OF MONITORING AN EXHAUST GAS AFTERTREATMENT		
This declaration is direct	This declaration is directed to:		
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	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.		
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. 15/407,138 Filing Date January 16, 2017 which claims priority to German Patent Application No. 102016200941.9, filed on January 22, 2016), 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: Marcus T	ENTOR Cimothy Davies Date: 3/1/17.		
Signature: M Dand			
Note: An Application Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional declaration form for each additional inventor.			

PATENT REEL: 040978 FRAME: 0048