505178220 11/06/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5224988

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HANS GUENTER QUIX	11/05/2018
ANDREAS KUSKE	11/02/2018
CHRISTIAN VIGILD	11/05/2018

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:	16182379

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.

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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:	84087255
NAME OF SUBMITTER:	ASHLEY R. TAPIA
SIGNATURE:	/Ashley R. Tapia/
DATE SIGNED:	11/06/2018

Total Attachments: 3

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PATENT 505178220 REEL: 047427 FRAME: 0084

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Attorney Docket Nun	ober	84087255	

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	COOLER	ENERGY RECOVERY VIA AN EUR
This declaration is direct		
⊠ The att	taskad niinflantian ku	
777720	tached application, or I States application or PCT international applicatio	on number
number into this form wh	filed on (I hereby authoriz hen they become known.)	te the insertion of the application filing date and
The above-identified app	olication was made or authorized to be made by me	∂.
I hereby state that I have including the claims.	we 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 cla	aimed invention in the application.
continuation-in-part app	o disclose information which is material to patent olications, material information which became anal or PCT international filing date of the continua	ability as defined in 37 C.F.R. 1.56, including for available between the filing date of the prior ation-in-part application.
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its s for the inventions and d name or names, or in m insert the serial/applica 16/182,379 Application No. 10201 102017220844.9, filed N or other legal represent discoveries in any and a of the filing date hereof, And I hereby agree for including applications for	INOLOGIES, LLC, a Ford Motor Company subsidere, having its principal place of business at Dear as the ASSIGNEE, its successors, assigns or other legal, in and to the inventions and discoveries in successors, assigns or other legal representatives to iscoveries in any and all countries, entities and in y name, at its or their election (and I hereby authoration number and filing date of the application, Filing Date November 6, 2018, 7220441.9, filed November 16, 2017, and claid November 22, 2017), and I hereby sell, assign and satives, all rights of priority, including any proving countries, entities and intergovernmental organic, continuations, continuations-in-part, divisionals, and myself, my heirs, successors, assigns or other legal for Letters Patent of any and all kinds and in any	gal representatives to execute any and all papers, and all countries, entities and intergovernmental successors, assigns or other legal representatives
And I hereby represent a	and warrant that I have not granted any rights inco	nsistent with the rights granted herein.
I hereby acknowledge the	hat any willful false statement made in this declar more than five (5) years or both.	ration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF IN		10 10 1 1 15 10 11 15
	uenter Quix	Date: <u>OS。M 2018</u>
Signature:	<u> </u>	
		3 4 5
	ita Sheet (PTO/SB/14 or equivalent), including naming	the entire inventive entity, must accompany this form.

PATENT REEL: 047427 FRAME: 0085 Please direct all correspondence to: customer number 36865

Attorney Docket Number 84087255		
Attorney Docket Number 64067255	Attomay Dookat Mumbar	84087255
	Attorney Docket Number	04007233

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	METHODS AND SYSTEMS FOR ENERGY RECOVERY VIA AN EGR
	COOLER
This declaration is direct	ed to:
The attached application, or United States application or PCT international application number filed on	
number into this form wh	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.	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 for of the ASSIGNEE, its sfor the inventions and diname or names, or in my insert the serial/application No. 10201 102017220844.9, filed Nor other legal represent discoveries in any and a of the filing date hereof, And I hereby agree for including applications for organizations, and to pe	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 origin, in and to the inventions and discoveries in the above-identified invention including the right nuccessors, 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 yname, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the tion number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
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: Andreas	Kuske s Date: WAKS
Construction of the second of	
Signature:	
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: 047427 FRAME: 0086

RECORDED: 11/06/2018

Attorney Docket Number	84087255

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	METHODS AND SYSTEMS FOR ENERGY RECOVERY VIA AN EGR
This declaration is direct	COOLER ed to:
This declaration is directed to: The attached application, or United States application or PCT international application number filed on	
number into this form wh	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 or	ginal 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 si for the inventions and di name or names, or in my insert the serial/applica 16/182,379 Application No. 10201 102017220844.9, filed N or other legal represent discoveries in any and a of the filing date hereof, And I hereby agree for including applications for organizations, and to pe	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, so 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 and an an an an an antiferent form to receive Letters Patent herein: Serial No. —, Filing Date November 6, 2018 which claims priority to German Patent November 22, 2017), and I hereby sell, assign and set over to the ASSIGNEE its successors, assigns atives, all rights of priority, including any provisional applications, in and to the inventions and ill countries, entities and intergovernmental organizations including all applications claiming benefit continuations, continuations-in-part, divisionals, reexaminations and reissue applications. 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 and warrant that I have not granted any rights inconsistent with the rights granted herein.	
I hereby acknowledge to or imprisonment of not a	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	Property and the second of the
Signature:	enstine Verill
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.

PATENT REEL: 047427 FRAME: 0087