PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3315552

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS RAYMOND MARTIN	04/13/2015
KENNETH JAMES MILLER	04/01/2015
MICHIEL J. VAN NIEUWSTADT	04/14/2015
JOHN ERIC ROLLINGER	04/09/2015

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:	14689309

CORRESPONDENCE DATA

Fax Number: (503)459-4142

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: 503-459-4141 enabnit@ahmrt.com

Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE, LLP

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

ATTORNEY DOCKET NUMBER: 83524040

NAME OF SUBMITTER: JIBEK ENABNIT

SIGNATURE: /Jibek Enabnit/

DATE SIGNED: 04/17/2015

Total Attachments: 4

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PATENT 503268934 REEL: 035434 FRAME: 0550

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Attauman Thurston Minnellin	00.50 (0.40
Attorney Docket Number	85524040

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 AND SYSTEM FOR REDUCING ENGINE EXHAUST		
	EMISSIONS		
This declaration is direct	This declaration is directed to:		
IV The	strahad amiltinatar		
The a	attached application, or ed to the state of the state of the states application or PCT international application number		
hand. Office	filed on		
The above-identified ap	plication was made or authorized to be made by me.		
I hereby state that I had including the claims.	ive reviewed and understand the contents of the specification in the above-identified application,		
I believe that I am the o	riginal inventor or an original joint inventor of a claimed invention in the application.		
continuation-in-part ap	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for plications, material information which became available between the filing date of the prior anal or PCT international filing date of the continuation-in-part application.		
of the State of Delawa hereinafter referred to a interest, domestic and for the ASSIGNEE, its sfor the inventions and dname or names, or in minsert the serial/applications and to tincluding all applications and reise	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto INOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws re, 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 oreign, 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 discoveries in any and all countries, entities and intergovernmental organizations, in its or their own y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ation number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————		
organizations, and to pe may deem necessary to	or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental arform 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 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 i	nore than five (5) years or both.		
LEGAL NAME OF INV			
Inventor: <u>Douglas</u>	Raymond Martin Date: 4/13/2013		
Signature:	in 12 Months		
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.		

C	
Attorney Docket Number 83524040	

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 AND SYSTEM FOR REDUCING ENGINE EXHAUST EMISSIONS	
This declaration is	This declaration is directed to:		
	United	ached application, or States application or PCT international application number filed on	
The above-identific	ed appl	lication was made or authorized to be made by me.	
I hereby state that including the claim	t I have 18.	e reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am	the orig	ginal inventor or an original joint inventor of a claimed invention in the application.	
continuation-in-par	rt 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 hal or PCT international filing date of the continuation-in-part application.	
of the State of De hereinafter referred interest, domestic a of the ASSIGNEE, for the inventions a name or names, or insert the serial/ag 14/689, 30 ASSIGNEE, its stapplications, in and	FECHN claware d to as and for , its sur and dis in my pplication of the feation:	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 a 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 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 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, and	ons for to perf	nyself, my beirs, successors, assigns or other legal representatives to execute any and all papers, relaters 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 come thereto the rights herein sold, assigned and set over.	
And I hereby repres	sent an	d warrant that I have not granted any rights inconsistent with the rights granted herein.	
		at 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 Inventor: Ken		ENTOR ames Miller	
Signature:	#		

		Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	83524040
Catalogical Contract Transcriptor	

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 AND SYSTEM FOR REDUCING ENGINE EXHAUST EMISSIONS
This declaration is direct	<u></u>
United	ttached application, or 1 States application or PCT international application number filed on
The above-identified app	olication was made or authorized to be made by me.
I hereby state that I had 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 oblications, material information which became available between the filing date of the prior onel 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 s for the inventions and d name or names, or in m insert the serial/applica 14/689,309 ASSIGNEE, its succes applications, in and to the	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto INOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws re, 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 oreign, in and to the inventions and discoveries in the above-identified invention including the right uccessors, 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 y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ation number and filing date of the application to receive Letters Patent herein: Serial No.
including applications f organizations, and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental reform 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	and warrant that I have not granted any rights inconsistent with the rights granted herein.
	hat 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 (LA ADD) 17
Inventor: Michiel	J. Van Nieuwstadt Date: Z.
Signature:	
Alasm An Annillation Po	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
	on form for each additional inventor.

Please direct all correspondence to customer number: 36865

RECORDED: 04/17/2015

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****	Attorney Docket Number	83524040

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 AND SYSTEM FOR REDUCING ENGINE EXHAUST
	EMISSIONS
This declaration is direc	sted to:
NA THE	ittached mentioesting as
	attached application, or design of PCT international application number
	filed on

The above-identified ap	plication was made or authorized to be made by me.
I hereby state that I had including the claims.	ave reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the o	riginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part ap	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for plications, material information which became available between the filing date of the prior onal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECT of the State of Delawa hereinafter referred to interest, domestic and to the ASSIGNEE, its for the inventions and ename or names, or in n insert the serial/applications, in and to including all applications and reise the serial applications and to including all applications and the including applications and reise the serial applications and the including applications and the including applications organizations, and to p	whent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto HNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws are, 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 foreign, 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 discoveries in any and all countries, entities and intergovernmental organizations, in its or their own my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to cation number and filing date of the application to receive Letters Patent herein: Serial No. ——, Filing Date April 17,2015 ——), and I hereby sell, assign and set over to the inventions and discoveries in any and all countries, entities and intergovernmental organizations one claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, usual applications. The myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental erform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ascure 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
	more than five (5) years or both.
LEGAL NAME OF IN	
Inventor: <u>John Er</u>	ic Rollinger Date: 47/4/19
Clanapora	Ann Eighe Kalendar
Signature:	La La La Company de La destrucción de la company de la com
Note: An Application D	ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Use an additional declara	non form for each additional inventor.