502075975 09/26/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas Lorenz	09/20/2012
Moritz Klaus Springer	09/20/2012
Helmut Hans Ruhland	09/24/2012
Jan Mehring	09/20/2012

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:	13627953

CORRESPONDENCE DATA

Fax Number: 5034594142

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 503-459-4141 Email: cohen@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:	83258393

NAME OF SUBMITTER: Liana Cohen

Total Attachments: 4

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PATENT REEL: 029033 FRAME: 0454

502075975

Title of Invention

Attorney Docket Number

Method for Reducing the Particle Emissions of a Spark-Ignition Internal Combustion Engine

with Direct Injection, and Internal Combustion Engine for Carrying out Such a Method

83258393

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

This declaration	is directed to:
X	The attached application, or
	United States application or PCT international application number filed on
The above-identi	ified application was made or authorized to be made by me.
I hereby state the claims.	at I have reviewed and understand the contents of the specification in the above-identified application, including the
I believe that I as	m 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. 13/627,953 , Filing Date Sept. 26, 2012 , which claims priority to German Patent Application number 102011084545.3 filed on October 14, 2011), 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 rep	resent and warrant that I have not granted any rights inconsistent with the rights granted herein.
imprisonment of	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or not more than five (5) years or both.
LEGAL NAME	
Inventor:	Thomas Lorenz Date: 20.09.2012
Signature:	
	ation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an ion form for each additional inventor.

PATENT REEL: 029033 FRAME: 0455

Attorney Docket Number

83258393

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invent	ion Method for Reducing the Particle Emissions of a Spark-Ignition Internal Combustion Engine with Direct Injection, and Internal Combustion Engine for Carrying out Such a Method
This declaration is directed to:	
X	The attached application, or
	United States application or PCT international application numberfiled on
The above-identi	fied application was made or authorized to be made by me.
I hereby state that claims.	t I have reviewed and understand the contents of the specification in the above-identified application, including the
I believe that I ar	n the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-p	he duty to disclose information which is material to patentability as defined in 37 C.P.R. 1.56, including for art applications, material information which became available between the filing date of the prior application and CT international filing date of the continuation-in-part application.
GLOBAL TECH Delaware, having ASSIGNEE, its a the inventions are other legal repre countries, entitle (and I hereby at application to rea which claims pri and set over to the applications, in a	employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of its principal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to ad discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or sentatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all intergovernmental organizations, in its or their own name or names, or in my name, at its or their election of the civic Letters Patent herein: Serial No. 13/627,953 Filing Date Sept. 26, 2012 ority to German Patent Application number 102011084545.3 filed on October 14, 2011), and I hereby sell, assign the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and this.
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 rep	resent and warrant that I have not granted any rights inconsistent with the rights granted herein.
	riedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or not more than five (5) years or both.
LEGAL NAME	OF INVENTOR
Inventor:	Moritz Klaus Springer Date: September 20, 2012
Signature:	<u>4. /4/ </u>
Note: An Applica additional declarat	tion Data Sheet (PTO/SB/14 acceptivalent), including naming the entire inventive entity, must accompany this form. Use an ion form for each additional inventor.

Attorney Docket Number

83258393

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	Method for Reducing the Particle Emissions of a Spark-Ignition Internal Combustion Engine with Direct Injection, and Internal Combustion Engine for Carrying out Such a Method
This declaration is directed to:	
X 3	The attached application, or
□ t	Enited States application or PCT international application number filed on,
The above-identifie	d application was made or authorized to be made by me.
I hereby state that I claims.	have reviewed and understand the contents of the specification in the above-identified application, including the
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for applications, material information which became available between the filing date of the prior application and international filing date of the continuation-in-part application.
GLOBAL TECHNO Delaware, having it ASSIGNEE, its suc the inventions and other legal represent countries, entities a (and I hereby authorapplication to receive which claims prioriand set over to the applications, in and	ployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD DLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of sprincipal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the cessors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or statives to make applications and to receive Letters Patent for the inventions and discoveries in any and all nd intergovernmental organizations, in its or their own name or names, or in my name, at its or their election orize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the ve Letters Patent herein: Serial No. 13/627,953, Filing DateSept. 26, 2012, ty to German Patent Application number 102011084545.3 filed on October 14, 2011), and I hereby sell, assign ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional to the inventions and discoveries in any and all countries, entities and intergovernmental organizations including iming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and
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 repres	ent and warrant that I have not granted any rights inconsistent with the rights granted herein.
imprisonment of no	ige that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or more than five (5) years or both.
LEGAL NAME OF	
Inventor:	Helmut Hans Rubland Date: 140 + 24, 7012
Signature:	
	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an form for each additional inventor.

PATENT REEL: 029033 FRAME: 0457

Attorney Docket Number

83258393

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invent	ion	Method for Reducing the Particle Emissions of a Spark-Ignition Internal Combustion Engine with Direct Injection, and Internal Combustion Engine for Carrying out Such a Method
This declaration is directed to:		
X	The att	ached application, or
		States application or PCT international application numberfiled on
The above-identi	The above-identified application was made or authorized to be made by me.	
I hereby state tha claims.	t I have	reviewed and understand the contents of the specification in the above-identified application, including the
I believe that I an	n the ori	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-p	art appl	to 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 application and national filing date of the continuation-in-part application.
GLOBAL TECH Delaware, having ASSIGNEE, its s the inventions an other legal repre countries, entities (and I hereby au application to rec which claims pri- and set over to th applications, in a	NOLOC gits prin successond disco- sentative s and in- thorize ceive Le- cority to use ASSIC and to the claiming	nent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD ITES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of cipal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the rs, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to veries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or as to make applications and to receive Letters Patent for the inventions and discoveries in any and all tergovernmental organizations, in its or their own name or names, or in my name, at its or their election the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the ters Patent herein: Serial No. 13/627,953 Filing Date Sept. 26, 2012 German Patent Application number 102011084545.3 filed on October 14, 2011), and I hereby sell, assign GNEE, its successors, assigns or other legal representatives, all rights of priority, including any provisional inventions and discoveries in any and all countries, entities and intergovernmental organizations including benefit of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and
applications for I perform any and	etters P all acts	tyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including atent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure old, assigned and set over.
And I hereby rep	resent ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
		uat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or a than five (5) years or both.
LEGAL NAME	OF INV	ENTOR
Inventor:	Jan M	16hring Date: 20,9,2012
Signature:		Hara
		Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an for each additional inventor.

PATENT REEL: 029033 FRAME: 0458

RECORDED: 09/26/2012