504040190 10/06/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4086851

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FRANK WUNDERLICH	09/30/2016
JOERG KEMMERLING	10/03/2016
LEONHARD BARTSCH	09/30/2016
JUERGEN KARL STIEF	09/30/2016
GUOHUI CHEN	09/30/2016
WERNER WILLEMS	09/30/2016

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:	15287465

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
Email: Tapia@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:	83716450
NAME OF SUBMITTER:	ASHLEY R. TAPIA
SIGNATURE:	/Ashley R. Tapia/
DATE SIGNED:	10/06/2016

Total Attachments: 6 source=Executed Assignment 83716450#page1.tif source=Executed Assignment 83716450#page2.tif source=Executed Assignment 83716450#page3.tif source=Executed Assignment 83716450#page4.tif

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Docket Number	83716450	

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	INJECTOR ARRANGEMENT FOR AN INTERNAL COMBUSTION ENGINE
This declaration is dire	
☐ Unit	attached application, or led States application or PCT international application number
The above-identified a	pplication was made or authorized to be made by me.
I hereby state that I is including the claims.	nave reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the	original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part a	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for pplications, material information which became available between the filing date of the prior ional or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TEC of the State of Delaw hereinafter referred to interest, domestic and of the ASSIGNEE, its for the inventions and name or names, or in a insert the serial/applituser the serial/applit	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 Leiters 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. ———————————————————————————————————
including applications organizations, and to p	or 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 perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives a secure thereto the rights herein sold, assigned and set over.
	t and warrant that I have not granted any rights inconsistent with the rights granted herein.
or ampaisonment of no	that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by tine t more than five (5) years or both.
LEGAL NAME OF IN Inventor: Frank	WENTOR Wunderlich Dine: 50.9.2016
Signature:	A Life Comment of the
Note: An Application II Use an additional declara	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, thin form for each additional inventor.

	<u> </u>	
Attorney Docket Number	83716450	

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Title of Invention	INJECTOR ARRANGEMENT FOR AN INTERNAL
This declaration is directed	COMBUSTION ENGINE
time decidations is impered	1. 105.
	ched application, or States application or PCT international application number filed on, (I hereby authorize the insertion of the application filing date and
dimnost into anysatorii whe	n they become known.)
The above-identified appli	cation was made or authorized to be made by me.
I hereby state that I have including the claims.	reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the orig	inal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part appli	disclose information which is material to paternability as defined in 37 C.F.R. 1.56, including for cations, material information which became available between the filing date of the prior of 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 force of the ASSIGNEE, its sucfor the inventions and discount or names, or in my insert the serial/application 15/287,465 Application No. 1020152 successors, assigns or othe inventions and discoveries claiming benefit of the fapplications. And I hereby agree for mincluding applications for	ontagreement heretofore made or by contractual obligation, I do sell, assign and set over unto OLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws 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 right in and to the inventions and discoveries in the above-identified invention including the right discoveries in any and afficuenties, 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 on number and filing date of the application to receive Letters Patent herein: Serial No. Filing Date October 6, 2016 which claims priority to German Patent 19515.5, filed October 8, 2015), and I hereby sell, assign and set over to the ASSIGNEE, its er legal representatives, all rights of priority, including any provisional applications, in and to the in any and all countries, entities and intergovernmental organizations including all applications ling date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue systlf, 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 orm any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives
may deem necessary to see	cure thereto the rights herein sold, assigned and set over.
erior mercal relateringu	d warrant that I have not granted any rights inconsistent with the rights granted herein.
	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>Loerg Ken</u>	nmerling Date: 3,40,44
Signature:	
Selection	Ct Optionerical State
rvoic: An Apprication Oata 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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This declaration is direc	
Unite	attached application, or red States application or PCT international application number filed on
The above-identified ap	oplication was made or authorized to be made by me.
I hereby state that I he including the claims.	ave reviewed and understand the contents of the specification in the above-identified application.
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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 of PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECH of the State of Delawa hereinafter referred to interest, domestic and it of the ASSIGNEE, its for the inventions and chame or names, or in minsert, the serial/application No. 10201 successors, assigns or cinventions and discovered claiming benefit of the applications. And I hereby agree for including applications organizations, and to p	ment agreement heretofore made or by contractual obligation. I do self, 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 at a its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ration number and filing date of the application to receive Letters Patent herein: Serial No. Filing Date October 6, 2016 Which claims priority to German Patent (5219515.5, filed October 8, 2015), and I hereby self, assign and set over to the ASSIGNEE, its other legal representatives, all rights of priority, including any provisional applications, in and to the ries in any and all countries, entities and intergovernmental organizations including all applications of filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue 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 secure thereto the rights herein sold, assigned and set over.
And I hereby represent	and warram that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not	that any willful false statement made in this declaration is punishable under $18~\mathrm{U.S.C.}~1901$ by fine more than five (5) years or both.
LEGAL NAME OF IN Inventor: Leonhai	
HIVETHOR: ECOTHER	rd Bartsch Date: 25 5 5 7 8
Signature:	
Note: An Application Di Use an additional declarat	ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, from for each additional inventor

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Airestinacións	Docket Number	83716450	
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ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY, PROVISIONAL ORDESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

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This declaration is direc		
Unite	itached application, or I States application or PCT international application number filed on	
number thio this form w	hen they become known).	
The above-identified ap	olication was made or authorized to be made by me.	
I hereby state that I ha 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 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. 15/287,465 Filing Date October 6, 2016 which claims priority to German Patent Application No. 102015219515.5, filed October 8, 2015), 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, ussigns 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	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Inventor: <u>Juergen</u>	Rarl Stief Date: \$\\\ \Q\ \Q\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	
Signature:		
Note: An Application Da Use an additional declarati	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.	

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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. 15/287,465 7 Filing Date October 6, 2016 which claims priority to German Patent Application No. 102015219515.5, filed October 8, 2015), and I hereby sell, assign and set over to the ASSIGNEE is 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 benefic of the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reissue applications.		
including applications for organizations, and to per	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 form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ecure thereto the rights herein sold, assigned and set over.	
And Thereby 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 <u>Caultui (</u>	Simil Date: 30,04,2016	
Signature		
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, or form for each additional inventor.	

RECORDED: 10/06/2016

Attorney Docket Number	83716450	

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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,				
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LEGAL NAME OF THE				
Inventor: <u>Werner</u>	Willems Date:			
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				