503665408 01/26/2016 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3712043

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FRANZ J. BRINKMANN	01/25/2016
VANCO SMILJANOVSKI	01/25/2016
JOERG KEMMERLING	01/25/2016
HANS GUENTER QUIX	01/25/2016
VOLKER HAUPTS	01/21/2016
HELMUT MATTHIAS KINDL	01/25/2016
WERNER WILLEMS	01/25/2016

RECEIVING PARTY DATA

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Internal Address:	330 TOWN CENTER DRIVE
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15006999

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBE	R:	83602384		
NAME OF SUBMITTER:		JIBEK ENABNIT		
SIGNATURE:		/Jibek Enabnit/		

DATE SIGNED:	01/26/2016	
Total Attachments: 7		
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Attorney Docket Number 83602384

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 Invent	m METHOD FOR OPERATING A COMBUSTION ENGINE	HAVINC A
	SPLIT COOLING SYSTEM AND CYLINDER SHUTI	
This declaration i	directed to:	
	The attached application, or United States application or PCT international application number filed on	
The above-identi	ed application was made or authorized to be made by me.	
I hereby state the including the clai	I have reviewed and understand the contents of the specification in the above-identis.	lified application,
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the applicatio	n.
continuation-in-p	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1 1 applications, material information which became available between the filing of national or PCT international filing date of the continuation-in-part application.	.56, including for late of the prior
FORD GLOBAL of the State of D hereinafter referm interest, domestic of the ASSIGNEJ for the inventions name or names, or insert the serial/ 15/006, Application No. successors, assign inventions and di	ployment agreement heretofore made or by contractual obligation, I do sell, assign a ECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by laware, having its principal place of business at Dearborn, County of Wayne, and St I to as the ASSIGNEE, its successors, assigns or other legal representatives, the entit and foreign, in and to the inventions and discoveries in the above-identified invention and discoveries in the above-identified invention in the successors, assigns or other legal representatives, the entit is successors, assigns or other legal representatives to make applications and to receive in many and all countries, entities and intergovernmental organizations, i in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGN pplication number and filing date of the application to receive Letters Patent he 299 , Filing Date January 26, 2015, and I hereby sell, assign and set over to the or other legal representatives, all rights of priority, including any provisional application overies in any and all countries, entities and intergovernmental organizations includin f the filing date hereof, continuations, continuations-in-part, divisionals, reexaminat	virtue of the laws rate of Michigan, re right, title and icluding the right ve Letters Patent n its or their own JEE's attorney to rein: Serial No. German Patent ASSIGNEE, its ons, in and to the g all applications
including applicat organizations, and	e for myself, my heirs, successors, assigns or other legal representatives to execute an ons for Letters Patent of any and all kinds and in any and all countries, entities and it to perform any and all acts which the ASSIGNEE, its successors, assigns or other lega y to secure thereto the rights herein sold, assigned and set over.	nergovernmental
And I hereby repr	sent and warrant that I have not granted any rights inconsistent with the rights granted he	rein.
or imprisonment c	lge that any willful false statement made in this declaration is punishable under 18 U.S not more than five (5) years or both.	S.C. 1001 by fine
LEGAL NAME (Inventor:	Dete: 25-JAA	<u>1-2016</u>
Signature:	//	
Note: An Applicati Use an additional de	n Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must acc laration form for each additional inventor.	ompany this form.

Attorney Docket Number 83602384

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Title of Invent	METHOD FOR OPERATING A COMBUSTION ENGINE HAVING A SPLIT COOLING SYSTEM AND CYLINDER SHUTDOWN	4	
This declaration i	directed to:		
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The above-identi	ed application was made or authorized to be made by me.		
I hereby state the including the claim	t I have reviewed and understand the contents of the specification in the above-identified applications.	ion,	
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.		
- contentionations-ste-by	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including n applications, material information which became available between the filing date of the pre- enational or PCT international filing date of the continuation-in-part application.	for rior	
of the State of D hereinafter referre interest, domestic of the ASSIGNEI for the inventions name or names, of insert the scrial/ $(\frac{15}{006}, \frac{15}{006}, \frac{15}{006})$	aployment agreement heretofore made or by contractual obligation. I do sell, assign and set over a TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virue of the la laware, having its principal place of business at Dearborn. County of Wayne, and State of Michig daware, having its principal place of business at Dearborn. County of Wayne, and State of Michig daware, having its principal place of business at Dearborn. County of Wayne, and State of Michig daware, having its principal place of business at Dearborn. County of Wayne, and State of Michig daware, having its principal place of business at Dearborn. County of Wayne, and State of Michig daware, having its principal place of business at Dearborn. County of Wayne, and State of Michig date of the aspectations in the above-identified invention including the rit, its successors, assigns or other legal representatives to make applications and to receive Letters Parana discoveries in any and all countries, entities and intergovernmental organizations, in its or their or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney pplication number and filing date of the application to receive Letters Parana filing Date January 26, 2016, which claims priority to German Parana 29 Parana filing date of priority, including any provisional applications, in and to receive the ASSIGNEE, or other legal representatives, all rights of priority, including any provisional applications, in and to receive the filing date hereof, continuations, continuations-in-part, divisionals, reexaminations and reiss	aws and ght ent von to No. cnt its the	
organizations, and	e for myself, my heirs, successors, assigns or other legal representatives to execute any and all pape ons for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmen to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representativy y to secure thereto the rights herein sold, assigned and set over.	i cicit	
And I hereby repre	sent and warrant that I have not granted any rights inconsistent with the rights granted herein.		
si maprovancivas es	ige that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by find more than five (5) years or both.	ine	
LEGAL NAME O Inventor: Var	CO_Smillanovski		
Signature:	- Co Arra / Canacalla'		
Note: An Applicatic Use an additional des	 Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this for aration form for each additional inventor. 	m .:	

Attorney Docket Number 83602384

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 FOR OPERATING A COMBUSTION ENGINE HAVING A SPLIT COOLING SYSTEM AND CYLINDER SHUTDOWN
This declaration is dire	eted to:
🛄 Unite	attached application, or ed States application or PCT international application number filed on
The above-identified ap	pplication was made or authorized to be made by me.
I hereby state that I h including the claims.	ave reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the t	original 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 oplications, material information which became available between the filing date of the prior lonal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TEC of the State of Delawa hereinafter referred to interest, domestic and of the ASSIGNEE, its for the inventions and name or names, or in r insert the serial/applic 15/006.99 Application No 10201 successors, assigns or inventions and discove	syment agreement heretofore made or by contractual obligation, 1 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 ny 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. 9
including applications organizations, and to p	r 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 verform 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.
or imprisonment of not	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>Joerg }</u> Signature:	Centering Date: <u>A, A, A6</u>
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Use an additional declared	ata Sheet (PTO/SB/143 sequivalent), including naming the entire inventive entity, must accompany this form, tion form for each additional inventor.

Auorney Docket Number | 83602384

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 Inven		OMBUSTION ENGINE HAVING A
This declaration	a is directed to:	
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The above-ider	tified application was made or authorized to be made by mo	\$₄
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I believe that I a	am the original inventor or an original joint inventor of a cl	aimed invention in the application.
continuation-in-	the duty to disclose information which is material to patent -part applications, material information which became the national or PCT international filing date of the continue	available between the filing date of the prior
FORD GLOBA of the State of hereinaliter refe- interest, domest of the ASSIGN for the invention name or names, insert the seria <u>15/00</u> Application No successors, assi- inventions and	employment agreement heretofore made or by contractuul. TECHNOLOGIES, LLC, a Ford Motor Company subside Delaware, having its principal place of business at Dear erred to as the ASSIGNEE, its successors, assigns or other dic and foreign, in and to the inventions and discoveries in EE. Its successors, assigns or other legal representatives to most and discoveries in any and all countries, entities and in the invention number and filing date of the application $16,999$ Filing Date January 26,201 by 102015201238.7, filed January 26, 2015), and I hereby gins or other legal representatives, all rights of priority, inc discoveries in any and all countries, entities and interpoverses of the filing date hereof, continuations, continuations	diary, organized and existing by virtue of the laws born. County of Wayne, and State of Michigan, er legal representatives, the entire right, title and the above-identified invention including the right o make applications and to receive Letters Patent tergovernmental organizations, in its or their own orize the ASSIGNEE or ASSIGNEE's autorney to in to receive Letters Patent herein: Serial No. <u>6</u> , which claims priority to German Patent sell, assign and set over to the ASSIGNEE, its cluding any provisional applications, in and to the ernmental organizations including all applications
including appli- organizations. a	igree for myself, my heirs, successors, assigns or other le- ications for Letters Patent of any and all kinds and in any and to perform any and all acts which the ASSIGNEE, its assury to secure thereto the rights herein sold, assigned and	and all countries, entities and intergovernmental successors, assigns or other legal representatives
And Thereby re	epresent and warrant that I have not granted any rights inco	nsistent with the rights granted herein.
or imprisonmen	wledge that any willfal false statement made in this declar at of not more than five (5) years or both.	ration is publishable under 18 U.S.C. 1001 by fine
	E OF INVENTOR	and the second
Inventor:	Hans Guemer Quix	
Signature:		
Note: An Applia Use an additional	cation Data Sheet (PTO/SB/14 or equivalent), including naming I declaration form for each additional inventor.	the entire inventive entity, must accompany this form.

Attorney Docket Number \$3602384

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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)

METHOD FOR OPERATING A COMBUSTION ENGINE HAVING A SPLIT COOLING SYSTEM AND CYLINDER SHUTDOWN

This declaration is directed to:

Title of Invention.

The attached application, or

United States application or PCT international application number filed on ______.

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.

I believe that I am 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, 1 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 1 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. <u>15/006,999</u>, Filing Date January 26,2016, which claims priority to German Patent Application No. 102015201238.7, filed January 26, 2015), and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in and to the invention No. 102015201238.7, filed January 26, 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, entitles 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 inclusion with the rights granted herein .

Use an additional declaration form for each additional inventor.

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 NÖ	AME OF INVENTOR		the second s	9
Inventor:	Volker Haupts	Date:	alle A. Maria da	046
Signature:	V. Aun A.			
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Note: As A	pplication Data Sheet (PTO/SB/14 fir equivalent), including naming th	he entire invent	ive entity, must accom-	sany this form.

Attorney Docket Number 83602384

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 FOR OPERATING A COMBUSTION ENGINE HAVING A SPLIT COOLING SYSTEM AND CYLINDER SHUTDOWN

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The attached application, or

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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 J 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. <u>15/006, 999</u>, Filing Date January 26, 2016, which claims priority to German Patent Application No. 102015201238.7, filed January 26, 2015), and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, including any provisional applications, in and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations, in and to the invention No. 102015201238.7, filed January 26, 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, 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.

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LEGAL NA	AME OF INVENTOR		Na star star star star star star star st	
Inventor:	Helmut Matthias Kind]	Date	25/1/2016	
Signature:	Mi h-			
Note; Aa A	application Data Sheet (PTO/SB/14 or equivalent), including maning the entire inve	ntive entity, must accompany this for	ų.
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Inventor:	Werner Willems	Date:	_ <u></u>
Signature:	- AD en D Men		

Note: An Application Data Sheet (PTO/SB/)4 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional declaration form for each additional inventor.

RECORDED: 01/26/2016