503091105 12/08/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3137710

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ADAM NATHAN BANKER	12/03/2014
BAITAO XIAO	12/02/2014
HAMID-REZA OSSAREH	12/01/2014

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:	14563841

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.

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Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE, LLP

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Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER:	83486194
NAME OF SUBMITTER:	JIBEK ENABNIT
SIGNATURE:	/Jibek Enabnit/
DATE SIGNED:	12/08/2014

Total Attachments: 3

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PATENT 503091105 REEL: 034428 FRAME: 0898

Attorney Docket Number	83486194

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 DETECTING COMPRESSOR RECIRCULATION VALVE FAULTS		
This declaration is directed to:			
	The attached application, or United States application or PCT international application number filed on		
The above-identified a	pplication 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	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.			
FORD GLOBAL TECT of the State of Delaw hereinafter referred to interest, domestic and of the ASSIGNEE, its for the inventions and name or names, or in insert the serial/applited 14/563,841. ASSIGNEE, its succession and to including all applications and reincluding all applications. And I hereby agree for including applications.	yment 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		
	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.		
or imprisonment of no	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:Adam I			
Signature:	u Bankr		
	ata 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.

Attorney Docket Number	92496104	
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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)

Title of Inventi-	on	METHODS AND SYSTEN	1S FOR DETECT	CING CO	MPRESSO	·R
This declaration is	s direct	ed to:	ATION VALVE I	AULIS		
	United	tached application, or I States application or PCT international ap	plication number	······································		
The above-identif	ied app	olication was made or authorized to be mad	e by me,			
I hereby state that including the claim	t I hay ns.	ve reviewed and understand the contents	of the specification is	n the above	e-identified app	plication,
I believe that I am	the or	iginal inventor or an original joint inventor	of a claimed invention	n in the app	lication.	
communich-m-pa	иг арр	o disclose information which is material to dications, material information which be nal or PCT international filing date of the c	ecame available betu	veen the fi	F.R. 1.56, including date of t	ading for he prior
of the State of Dehereinafter referre interest, domestic of the ASSIGNEE for the inventions name or names, or insert the serial/a 14/563,842 ASSIGNEE, its sapplications, in an	elaware d to as and for its su and dir in my pplicat l success d to the fication	nent agreement heretofore made or by con NOLOGIES, LLC, a Ford Motor Company as, having its principal place of business as the ASSIGNEE, its successors, assigns reign, in and to the inventions and discoveraccessors, assigns or other legal representations in any and all countries, entities a name, at its or their election (and I herebation number and filing date of the approper and filing date of the approper and filing date inventions and discoveries in any and all as claiming benefit of the filing date in the applications.	v subsidiary, organized at Dearborn, County of or other legal representes in the above-identitives to make applicate and intergovernmentary authorize the ASSIC plication to receive I 1014), and I herelyes, all rights of prince of the countries entities and I countries entit e	I and existing the wayne, and the contactives, the tiffied inventions and to all organizations. Pattern Patter	ng by virtue of and State of Me entire right, attom including to receive Letter ions, in its or the SSIGNEE's attent herein: Seign and set over the set of the set over the se	the laws fichigan, title and the right rs Patent heir own torney to rial No. er to the pvisional
organizations, and	to per	nyself, my heirs, successors, assigns or or r Letters Patent of any and all kinds and form any and all acts which the ASSIGNI scure thereto the rights herein sold, assigne	in any and all countri	pe antitipe	and interpresent	12.22.22.22
And I hereby repre	sent ar	nd warrant that I have not granted any right	s inconsistent with the	rights gran	ited herein.	
or imprisonment of	i got m	at any willful false statement made in this ore than five (5) years or both.	declaration is punisha	ible under 1	18 Ú.S.C. 1001	by fine
LEGAL NAME O				<u> </u>	5 /	
Inventor: <u>Bai</u>	tao Xi	<u>ao</u>	_ Date:	Dec	2nd 2	10/4
Signature:	<u> </u>					
Note: An Applicatio Use an additional dec	n Data laration	Sheet (PTO/SB/14 or equivalent), including n form for each additional inventor.	aming the entire inventi-	ve entity, me	ist accompany th	ais form.

PATENT REEL: 034428 FRAME: 0900 Please direct all correspondence to customer number: 36865

Attorney Docket Number	83486194
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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)

Title of Invention METHODS AND SYSTEMS FOR DETECTING COMPRESSOR RECIRCULATION VALVE FAULTS			
This declaration is directed to:			
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, 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. 14/563,841, Filing DateDecember8,2014), 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.			
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 INVENTOR Inventor: Hamid-Reza Ossareh Date: 12/01/2019			
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: 034428 FRAME: 0901

RECORDED: 12/08/2014