PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2583029

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIAOYONG WANG	10/10/2013
WEI LIANG	10/10/2013
RAJIT JOHRI	10/10/2013
MARK STEVEN YAMAZAKI	10/11/2013
MING LANG KUANG	10/10/2013
RYAN ABRAHAM MCGEE	10/18/2013

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:	14057311	

CORRESPONDENCE DATA

Fax Number: (248)358-3351 Phone: 248-358-4400

Email: solson@brookskushman.com

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

Correspondent Name: BROOKS KUSHMAN P.C./FGTL

Address Line 1: 1000 TOWN CENTER

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER: 83390938
PATENT

502537638 REEL: 031434 FRAME: 0069

NAME OF SUBMITTER:	MARCO J. GATTI
Signature:	/Marco J. Gatti/
Date:	10/18/2013
Total Attachments: 6 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif	

Attorney Docket Number	83390938	

Title of Invention	HYBRID VEHICLE ENGINE STARTS
This declaration is directed	d to:
X The att	ached application, or States application or PCT international application number filed on
The above-identified appl	ication was made or authorized to be made by mc.
I hereby state that I have including the claims.	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-part appl	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 al or 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 forc of the ASSIGNEE, its sucfor the inventions and disname or names, or in my insert the serial/applications. ASSIGNEE, its successed applications, in and to the including all applications reexaminations and reissue. And I hereby agree for me	ent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto IOLOGIES, 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 eign, 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 on number and filing date of the application to receive Letters Patent herein: Serial No. —, Filing Date ————————————————————————————————————
organizations, and to performay deem necessary to see	orm any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives cure thereto the rights herein sold, assigned and set over.
And I hereby represent and	d warrant that I have not granted any rights inconsistent with the rights granted herein,
or imprisonment of not mo	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: Xiaoyong	Wang Date: 10-10-13
Signature:	eng Lif
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Please direct all correspondence to: 28395

	0.000000	
Attorney Docket Number	83390938	

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		HYBRID VEHICLE ENGINE STARTS		
This declaration is	direct	ed to:		
×	The att	tached application, or I States application or PCT international ap filed on	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		ve reviewed and understand the contents	of the specification in th	ne 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-na	art app	o disclose information which is material to dications, material information which be nal or PCT international filing date of the c	ecame available betweer	n the filing date of the prior
FORD GLOBAL of the State of D hereinafter referrinterest, domestic of the ASSIGNE for the inventions name or names, consert the serial. ASSIGNEE, its applications in a	TECH telawar ed to a and fo E, its si and di or in my 'applica succes nd to the	ment agreement heretofore made or by con NOLOGIES, LLC, a Ford Motor Company e, having its principal place of business as the ASSIGNEE, its successors, assigns oreign, in and to the inventions and discoverage in any and all countries, entities y name, at its or their election (and I heretotion number and filing date of the apposers, assigns or other legal representation number and filing date of the apposers, assigns or other legal representation inventions and discoveries in any and a loss claiming benefit of the filing date is sue applications.	y subsidiary, organized ar at Dearborn, County of V or other legal representa- eries in the above-identifi- atives to make applications, and intergovernmental of by authorize the ASSIGN plication to receive Let 	Wayne, and State of Michigan, atives, the entire right, title and lied invention including the right ons and to receive Letters Patent organizations, in its or their own IEE or ASSIGNEE's attorney to tters Patent herein: Serial No. sell, assign and set over to the rity, including any provisional intergovernmental organizations
including applica	tions fo	myself, my heirs, successors, assigns or coor Letters Patent of any and all kinds and arform any and all acts which the ASSIGN secure thereto the rights herein sold, assign	l in any and all countries. IEE, its successors, assign	s, entities and intergovernmental
And I hereby rep	resent a	and warrant that I have not granted any righ	its inconsistent with the ri	ights granted herein.
I hereby acknow or imprisonment	ledge th	hat any willful false statement made in thi more than five (5) years or both.	s declaration is punishab	le under 18 U.S.C. 1001 by fine
LEGAL NAME	OF INV	VENTOR	Date	10/10/2013
Inventor: <u>W</u>	<u>/ei_Lia</u>	ng	Date:	
Signature:	·	my the transfer of the transfe		
4.7	C.			O CONT. CONT
Note: An Applica	tion Da	ta Sheet (PTO/SB/14 or equivalent), including	naming the entire inventive	e entity, must accompany into form.

Attorney Docket Number	83390938	į
rationary around transport	00000000	į
	Andrew Control of the	i

Title of Invention	HYBRID VEHICLE ENGINE STARTS
This declaration is	dingtod to
This decidiation is	directed to.
	The attached application, or United States application or PCT international application number
The above-identification	ed application was made or authorized to be made by me.
I hereby state that including the claim	I have reviewed and understand the contents of the specification in the above-identified application, is.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-par	luty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for t applications, material information which became available between the filing date of the prior national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL To of the State of De hereinafter referred interest, domestic a of the ASSIGNEE, for the inventions a name or names, or insert the serial/aparameters applications, in and including all appli	reployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto ECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws laware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, I to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and and foreign, in and to the inventions and discoveries in the above-identified invention including the right its successors, assigns or other legal representatives to make applications and to receive Letters Patent and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
including applications, and to	for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, one for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives by 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.
or imprisonment of	ge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine not more than five (5) years or both.
JEGAL NAME OF nventor: Rajis	Johri Date: 10/10/2013
Signature:	Populohni
Note: An Application Use an additional decl	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. aration form for each additional inventor.

Attorney Docket Number	83390938	

Title of Invention	HYBRID VEHICLE ENGINE STARTS	
This declaration is directed	ed to:	
☐ United	ached application, or States application or PCT international application number filed on	
The above-identified app	lication was made or authorized to be made by me.	
I hereby state that I have including the claims.	e reviewed and understand the contents of the specification in the above-identified application,	
I believe that I am the ori	ginal 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.		
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.		
	en Yamazaki Date: / C/// do/5	
Signature: Africa Gas		
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.		

Attorney Docket Number	83390938		

Title of invention		HYBRID VEHICLE ENGINE STARTS
This declaration is directed to:		
X		ached application, or States application or PCT international application number filed on
The above-identif	ied app	lication 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 ori	ginal 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.		
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 repr	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 (ENTOR 17/1 /2 m/2
Inventor: M	ing Lan	Ruang Date: 10/16/2013
Signature: ////////		
Note: An Application Data Speet (PTO/SR/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional declaration form for each additional inventor.		

Please direct all correspondence to: 28395

Attorney Docket Number 83390938	
Auditiey Docket Number 83390938	

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		HYBRID VEHICLE ENGINE STARTS
This declaration is directed to:		
×		ached application, or States application or PCT international application numberfiled on
The above-identif	ied app	lication 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 ori	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-pa	irt appl	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 al or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of Dehereinafter referre interest, domestic of the ASSIGNEE for the inventions name or names, or insert the serial/a ASSIGNEE, its applications, in an	TECHNelaware d to as and for and dis r in my applications d to the lication	tent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto MOLOGIES, 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 eign, in and to the inventions and discoveries in the above-identified invention including the right ecessors, assigns or other legal representatives to make applications and to receive Letters Patent coveries 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 non number and filing date of the application to receive Letters Patent herein: Serial No. —, Filing Date ———————————————————————————————————
including applicat organizations, and	ions for to perf	syself, 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 form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives cure thereto the rights herein sold, assigned and set over.
And I hereby repre	sent an	d 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 O Inventor: Rya		ham McGee Date: 2013.00.18
Signature:	<u> </u>	SM'A
		Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. form for each additional inventor.

PATENT REEL: 031434 FRAME: 0076

RECORDED: 10/18/2013