502847612 06/11/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2894209

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
JOSE ARTEAGA	06/10/2014
SUMAN MISHRA	06/10/2014
LLOYD ANTHONY BOZZI	06/10/2014

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:	14301920

CORRESPONDENCE DATA

Fax Number: (248)358-3351

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: 248-358-4400

Email: knash@brookskushman.com **BROOKS KUSHMAN P.C./FGTL Correspondent Name:**

1000 TOWN CENTER Address Line 1:

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER: 83423398	
NAME OF SUBMITTER:	KRISTIN L. MURPHY
SIGNATURE:	/Kristin L. Murphy/
DATE SIGNED:	06/11/2014

Total Attachments: 3

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Attorney Docket Number	83423398	

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	INTERNAL COMBUSTION ENGINE VEHICLE		
This declaration is directed to:			
	ached application, or States application or PCT international application numberfiled on		
The above-identified appl	ication was made or authorized to be made by me.		
I hereby state that I have including the claims.	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 orig	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. 14/301,920 , Filing Date June 11, 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.			
or imprisonment of not m	at 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 INVI	ENTOR - C / 10 / 144		
Inventor: Jose Arte	Date: $\frac{C}{10}/14$		
Signature:	fate -		
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

Attorne	y Docket Number	1 834233398	
THOME	y Docket Rullion	05 125550	

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	
	INTERNAL COMBUSTION ENGINE VEHICLE
This declaration i	s directed to:
x	The attached application, or United States application or PCT international application numberfiled on
The above-identif	ned application was made or authorized to be made by me.
I hereby state the including the clai	at I have reviewed and understand the contents of the specification in the above-identified application, ms.
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-p	e duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for art applications, material information which became available between the filing date of the prior ne national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of I hereinafter referi interest, domestic of the ASSIGNE for the invention name or names, insert the serial 14/301,920 ASSIGNEE, its applications, in a including all ap	employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto a TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws belaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, and 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 E, its successors, assigns or other legal representatives to make applications and to receive Letters Patent as and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own for 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, ar	ree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ations for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives sary 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.
I hereby acknow	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both.
LEGAL NAME	
	uman Mishra Date: Ub / 10 / 2019
Signature:	Lunan Misha
Note: An Applica	ation 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.

Please direct all correspondence to: 28395

Attorney Docket Number	83473398	
Auditicy Docker Humber	03423370	

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 MULTI-FREQUENCY QUARTER-WAVE RESONATOR FOR A INTERNAL COMBUSTION ENGINE VEHICLE		
This declaration is directed to:		
x	The attached application, or United States application or PCT international application numberfiled on	
The above-identif	fied application was made or authorized to be made by me.	
I hereby state the including the claim	at I have reviewed and understand the contents of the specification in the above-identified application, ms.	
I believe that I an	n 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 of the State of I hereinafter referinterest, domestic of the ASSIGNE for the invention name or names, insert the serial 14/301,920 ASSIGNEE, its applications, in a including all ap	employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto a TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, and to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and control and foreign, in and to the inventions and discoveries in the above-identified invention including the right is 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 or 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, ar	tree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ations for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives sary to secure thereto the rights herein sold, assigned and set over.	
And I hereby rep	present and warrant that I have not granted any rights inconsistent with the rights granted herein.	
I hereby acknow	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both.	
LEGAL NAME	OF INVENTOR	
Inventor: <u>I</u>		
Signature:	Lyaa. B. J	
Note: An Applica	ation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. declaration form for each additional inventor.	

PATENT REEL: 033079 FRAME: 0888

RECORDED: 06/11/2014