504609488 10/24/2017 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4656201

SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY	DATA						
			Name		Execution Date		
ROBERT ROY JENTZ					10/16/2017		
SANYAM SHARMA 10/13/2017							
SUMANTH DADAM					10/09/2017		
RECEIVING PARTY D	ΑΤΑ						
Name:	FORD	FORD GLOBAL TECHNOLOGIES, LLC					
Street Address:	FAIRL	FAIRLANE PLAZA SOUTH SUITE 800					
Internal Address:	330 T	330 TOWN CENTER DRIVE					
City:	DEAR	DEARBORN					
State/Country:	МІСНІ	MICHIGAN					
Postal Code:	48126						
PROPERTY NUMBER	S Total: 1	1					
Property Type		-	Number				
Application Number:		15792	2677				
		I			J		
CORRESPONDENCE	DATA	(074)	071 0001				
Fax Number:	he sent t	· /	271-8021 <i>e-mail address first; if that is</i>	une	successful it will be sent		
			hat is unsuccessful, it will be				
Phone:			271-8020				
Email:	_		erson@mccrus.com				
			OY RUSSELL LLP S.W. BROADWAY, SUITE 600				
Address Line 1: Address Line 4:			TLAND, OREGON 97205				
			-				
ATTORNEY DOCKET N		:	83872504				
NAME OF SUBMITTER:			CARALINA M. CASPERSON				
SIGNATURE:			/Caralina M. Casperson/				
DATE SIGNED:			10/24/2017				
Total Attachments: 3							
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Attorney Docket Number 83872504

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)

This declaration is directed to: The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and number into this form when they become known.) 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
United States application or PCT international application number filed on
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
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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 husiness 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, tild end 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. <u>15/792.677</u> , Filing Date <u>October 24, 2017</u> , 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, io 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 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: Robert Roy Jentz Date: 16 Oct 2017
Signature: Kalet Kelent
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: 043940 FRAME: 0738

Attorney Docket Number 83872504

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	HEAT EXCHANGER FOR EXHAUST TUNING SYSTEM							
This declaration is directed to:								
The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and number into this form when they become known.)								
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 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. <u>15/792,677</u> , Filing Date <u>October 24, 2017</u>), and I hereby sell, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, and intergovernmental organizations 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.								
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 INV Inventor: Sanyam								
	inyom Sharma							
·								
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.							

PATENT REEL: 043940 FRAME: 0739

Attorney Docket Number 83872504

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)

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United	tached application, or I States application or PCT international application number filed on (I hereby authorize the insertion of the application filing d hen they become known.)	ate and
The above-identified app	blication was made or authorized to be made by me.	
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I believe that I am the or	iginal inventor or an original joint inventor of a claimed invention in the application.	
continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, incluc plications, material information which became available between the filing date of th nal or PCT international filing date of the continuation-in-part application.	
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and fc of the ASSIGNEE, its s for the inventions and d name or names, or in m insert the serial/applica 15/792,677 ASSIGNEE, its succes applications, in and to th including all application	ment agreement heretofore made or by contractual obligation, I do sell, assign and set ov NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the e, having its principal place of business at Dearborn. County of Wayne, and State of Mi s the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, to breign, in and to the inventions and discoveries in the above-identified invention including the uccessors, assigns or other legal representatives to make applications and to receive Letters iscoveries in any and all countries, entities and intergovernmental organizations, in its or the y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's atto tion number and filing date of the application to receive Letters Patent herein: Ser , Filing DateOctober 24, 2017), and I hereby sell, assign and set over is inventions and discoveries in any and all countries, entities and intergovernmental organization gain and set over sors, assigns or other legal representatives, all rights of priority, including any pro- te inventions and discoveries in any and all countries, entities and intergovernmental organi- ns claiming benefit of the filing date hereof, continuations, continuations-in-part, divi-	he laws ichigan, itle and he right s Patent eir own omey to ial No. r to the visional izations
including applications for organizations, and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all or Letters Patent of any and all kinds and in any and all countries, entities and intergovert rform any and all acts which the ASSIGNEE, its successors, assigns or other legal represe secure thereto the rights herein sold, assigned and set over.	nmental
And I hereby represent a	ind warrant that I have not granted any rights inconsistent with the rights granted herein.	
	nat any willful faise statement made in this declaration is punishable under 18 U.S.C. 1001 nore than five (5) years or both.	by fine.
LEGAL NAME OF INV	ENTOR	
Inventor: <u>Sumanth</u>	Date: 10/09/2017	
Signature:	×	
	ta Sheet (PTQ/SB/14 or equivalent), including naming the entire inventive entity, must accompany the or form for each additional inventor.	his form.

PATENT REEL: 043940 FRAME: 0740

RECORDED: 10/24/2017