## 504778549 02/14/2018

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4825278

I         CONVEYING PARTY DATA         Name       Execution Date         AED DUDAR       02/12/2018         OZ/12/2018         RECEIVING PARTY DATA         Name:       FORD GLOBAL TECHNOLOGIES, LLC         Street Address:       FAIRLANE PLAZA SOUTH, SUITE 800         Internal Address:       GIN: Colspan="2">OZ/12/2018         Street Address:       FAIRLANE PLAZA SOUTH, SUITE 800         Internal Address:       Sign colspan="2">Colspan="2">Comes: Colspan="2">Comes: Colspan="2">Comes: Colspan="2">Comes: Colspan="2">OZ/12/2018         PROPERTY NUMBERS Total: 1         Property Type       Number         Application Number:       15896907         CORRESPONDENCE DATA         Fax Number:       (971)271-8021         Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.         Phone:       971-271-8020         Email:       Tapia@mccrus.com         Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.         Phone: <th colspan="2" rowspan="2">SUBMISSION TYPE: NATURE OF CONVEYANCE:</th> <th>NEW ASSIGNMENT</th> <th colspan="3" rowspan="2"></th>	SUBMISSION TYPE: NATURE OF CONVEYANCE:		NEW ASSIGNMENT			
Name     Execution Date       AED DUDAR     02/12/2018       RECEIVING PARTY DATA     02/12/2018       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: 15896907 CORRESPONDENCE DATA Fax Number: (971)271-8021 Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Phone: 971-271-8020 Email: Tapia@mccrus.com Correspondent Name: MCCOY RUSSELL LLP Address Line 1: 806 S.W. BROADWAY, SUITE 600 Address Line 1: 804 S.W. BROADWAY, SUITE 600 Address Line 4: PORTLAND, OREGON 97205 TTORNEY DOCKET NUMBER: 83944560 AME OF SUBMITTER: ASHLEY R. TAPIA IGNATURE: (Ashley R. Tapia/ ATE SIGNED: 02/14/2018 otal Attachments: 1			ASSIGNMENT			
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Attorney Docket Number | 83944560

# 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	SYSTEM AND METHOD FOR ENGINE POPPET VALVE		
eres so a cal a	DIAGNOSTICS		
This declaration is direct	ed to:		
	tached application, or I States application or PCT international application number filed on, (I hereby authorize the insertion of the application filing date and		
number into this form w	ten they become known.)		
The above-identified app	lication was made or authorized to be made by me.		
I hereby state that I hav including the claims.	re reviewed and understand the contents of the specification in the 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-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for dications, material information which became available between the filing date of the prior 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 15/896,907 ASSIGNEE, its succes applications, in and to th	nent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws e, having its principal place of business at Dearborn. County of Wayne, and State of Michigan, s the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and reign, in and to the inventions and discoveries in the above-identified invention including the right uccessors, assigns or other legal representatives to make applications and to receive Letters Patent iscoveries in any and all countries, entities and intergovernmental organizations, in its or their own y name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to dion number and filing date of the application to receive Letters Patent herein: Serial No		
including applications for organizations, and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental rform 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 a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.		
	hat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine nore than five (5) years or both.		
LEGAL NAME OF INV	ENTOR - /h/2010		
Inventor: <u>Aed Dud</u>	ar / Date: C/M/CO18		
Signature:	<u>NEN W</u>		
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.		

#### PATENT REEL: 044932 FRAME: 0141

### RECORDED: 02/14/2018