#### 504689944 12/15/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4736666

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
LIANGJUN HU	12/07/2017
HAO WU	12/07/2017
JIANWEN JAMES YI	12/07/2017

#### **RECEIVING PARTY DATA**

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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:	15843210

#### **CORRESPONDENCE DATA**

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	83908529
NAME OF SUBMITTER:	CARALINA M. CASPERSON
SIGNATURE:	/Caralina M. Casperson/
DATE SIGNED:	12/15/2017

#### **Total Attachments: 3**

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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	WATER-COOLED CASING TREATMENT
This declaration is direct	ed to:
United	tached application, or I States application or PCT international application number
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I have including the claims.	ve 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 discations, 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 fo of the ASSIGNEE, its si for the inventions and di name or names, or in mi insert the serial/applica  15/843,210  ASSIGNEE, its succes applications, in and to th including all application reexaminations and reiss  And I hereby agree for including applications for organizations, and to pe	ment 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, is 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 successors, 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 the strong that the property of the strong of the filing date of the application to receive Letters Patent herein: Serial No. Filing Date December 15, 2017 and I hereby sell, assign and set over to the strong of the legal representatives, all rights of priority, including any provisional ne inventions and discoveries in any and all countries, entities and intergovernmental organizations are claiming benefit of the filling date hereof, continuations, continuations-in-part, divisionals, the applications.  The property of the property of the property of the regular representatives to execute any and all papers, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental reform 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 warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not i	nat 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 INV	PENTOR Date: 12/7/17
Signature:	lugar/14
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.

Attorney Docket Number	83908529	

# 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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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.
continuation-in-part app	disclose information which is material to patentability as defined in 37 C.P.R. 1.56, including for lications, material information which became available between the filing date of the prior hal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHT of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffor the inventions and disname or names, or in my insert the serial/applicated 15/843,210  ASSIGNEE, its success applications, in and to the including all application reexaminations and reissue.  And I hereby agree for a	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers,
including applications for organizations, and to per	r 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 ecure thereto the rights herein sold, assigned and set over.
And I hereby represent at	nd 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 fore than five (5) years or both.
LEGAL NAME OF INV. Inventor: Hao Wu	ENTOR Date: 12/1/2017
Signature:	risky
<del>-</del>	
	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.

**RECORDED: 12/15/2017** 

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Attornov De	ocket Number	V 20012570		
AUDITICY DU	JUNEL INUMINE	03700347		
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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)

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This declaration is direct	ed to:
☐ The att	tached application, or I States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and nen they become known.)
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I have including the claims.	ve 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 discations, 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 fo of the ASSIGNEE, its sfor the inventions and diname or names, or in minsert the serial/applica 15/843,210  ASSIGNEE, its succes applications, in and to the including all application reexaminations and reiss.  And I hereby agree for 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 warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not a	hat 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 INV	
11	to A
Signature:	
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.