505623686 08/15/2019

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5670488

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MARY BELLINO	08/13/2019
NICHOLAS DAVID MOORE	08/15/2019
JOSEPH GEORGE	08/13/2019
JORDAN MAZAIRA	08/13/2019

### **RECEIVING PARTY DATA**

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	800 FAIRLANE PLAZA SOUTH
Internal Address:	330 TOWN CENTER DRIVE
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48128

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16541611

### **CORRESPONDENCE DATA**

**Fax Number:** (248)988-8363

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:** 248-988-8360

Email:docket@cgolaw.comCorrespondent Name:TODD W. BARRETTAddress Line 1:400 WEST MAPLE ROADAddress Line 2:CARLSON, GASKEY & OLDSAddress Line 4:BIRMINGHAM, MICHIGAN 48009

ATTORNEY DOOKET NUMBER.	0.44.00004 . 0.74.00 0.4.00 U.C.4
ATTORNEY DOCKET NUMBER:	84168801; 67186-818PUS1
NAME OF SUBMITTER:	TODD W. BARRETT
SIGNATURE:	/Todd W. Barrett/
DATE SIGNED:	08/15/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 505623686 REEL: 050064 FRAME: 0870

# **Total Attachments: 4** source=Assignments\_signed#page1.tif source=Assignments\_signed#page2.tif source=Assignments\_signed#page3.tif

source=Assignments\_signed#page4.tif

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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	BATTERY THERMAL MANAGEMENT SYSTEMS FOR PROVIDING IMPROVED BATTERY COOLING AS A FUNCTION OF VEHICLE SPEED
This declaration is direct	ed to:
□ United	tached application, or    States application or PCT international application number
dunice into this form wi	and they coeding known, y
The above-identified app	lication was made or authorized to be made by me.
I hereby state that I have including the claims.	re reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the or	ginal 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 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 TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its sefor the inventions and diname or names, or in my insert, the serial/applica 16/541,611  ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss.  And I hereby agree for including applications for including appl	nyself, 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
	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 a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
	at 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	
Inventor: Mary Bel	4
Signature: Www.	X3000
Note: An Application Date	Sheet (PTC)/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form
the an additional decisions.	conference from the state of the control of the con

Attorney Docket Number | 84168801; 67186-818PUS1

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Title of Invention BATTERY THERMAL MANAGEMENT SYSTEMS FOR PROVIDING IMPROVED BATTERY COOLING AS A FUNCTION OF VEHICLE SPEED
This declaration is directed to:
The attached application, or United States application or PCT international application numberfiled 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 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. 16/541,611 , Filing Date August 15, 2019 ), 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.
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: Nicholas David Moore Date: \$\int \( \frac{5}{1} \)
Signature: Dall Dall
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.

Atterney Docket Number | 84168801; 67186-818PUS1

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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	disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for disclose, 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 for of the ASSIGNEE, its suffer the inventions and diname or names, or in my insert the serial/applica 16/541,611  ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss	
including applications for organizations, and to per	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 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 a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not n	at 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
Inventor: <u>Joseph G</u>	
Signature:	<u> </u>
**************************************	9 (577) (571) (4
	i Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.  In form for each additional inventor.

**RECORDED: 08/15/2019** 

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I hereby state that I have including the claims.	e reviewed and understand the contents of the specification in the above-identified application,
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FORD GLOBAL TECHN of the State of Delaware hereinafter reforred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and distance or manes, or in my insert the acrial/applicat 16/541,611  ASSIGNEE, its success applications, in and to the including all application reexaminations and reiser.  And I hereby agree for a including applications for organizations, and to perforganizations, and to perforganizations, and to performanizations, and to performanizations.	nent agreement heretofore made or by contractual obligation, I do sell, assign and set over unto NOLOCIES, 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 eccessors, assigns or other legal representatives to make applications and to receive Letters Patent ecoveries 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 ion number and filing date of the application to receive Letters Patent herein: Serial No.  Filing Date August 15, 2019  B, and I hereby sell, assign and set over to the ors, assigns or other legal representatives, all rights of priority, including any provisional cinventions and discoveries in any and all countries, entities and intergovernmental organizations is claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, he applications.  Anyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, a Lotters 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 course thereto the rights herein sold, assigned and set over.
	d warrant that I have not granted any rights inconsistent with the rights granted herein.
	it any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or than five (5) years or both.
LEGAL NAME OF INVI	
Inventor: Jordan Mi	
Signature:	as Mass
7	No. 1997 ANNU Constitution of the control of the section and the control of the form
Note: An Application Data Use an additional declaration	Since (PTOSS/14 or equivalent), including naming the entire inventive entity, must accompany this form. I form for each additional inventor.