507517017 09/28/2022

PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT7563911

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CRAIG LECHLITNER	10/07/2019
LUCAS KIZER	10/07/2019
CAROL LOUISE OKUBO	10/07/2019
BRYAN WHITNEY D BELT	10/08/2019

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	1 AMERICAN RD FL4
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126-2701

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17936269

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

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

Phone: 9712718020

Email: finley@mccrus.com

Correspondent Name: MCCOY RUSSELL LLP

Address Line 1: 1410 NW JOHNSON ST. SUITE 201

Address Line 4: PORTLAND, OREGON 97209

ATTORNEY DOCKET NUMBER: 84519258

NAME OF SUBMITTER: DAWSON FINLEY

SIGNATURE: /Dawson Finley/
DATE SIGNED: 09/28/2022

Total Attachments: 4

source=Assignment_84519258#page1.tif source=Assignment_84519258#page2.tif source=Assignment_84519258#page3.tif

PATENT 507517017 REEL: 061247 FRAME: 0054

source=Assignment_84519258#page4.tif

|--|

Title of Invention	SYSTEMS AND METHODS FOR MANAGING TEMPERATURE OF AN	
	ELECTRIC MACHINE OF A HYBRID ELECTRIC VEHICLE	
This declaration is directed	ed to:	
☐ United	States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and 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.	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.	
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 TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its surfor the inventions and disname or names, or in my insert the serial/applicat 17/936,269 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissur		
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 an	d warrant that I have not granted any rights inconsistent with the rights granted herein.	
I hereby acknowledge that 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	· · · · · · · · · · · · · · · · · · ·	
Inventor: <u>Craig Lecl</u>	hlitner Date: 10 - 7-2019	
Signature: Craix &	2.lhi	
Note: An Application Data	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	r 84519258

Title of Invention	SYSTEMS AND METHODS FOR MANAGING TEMPERATURE OF AN	
	ELECTRIC MACHINE OF A HYBRID ELECTRIC VEHICLE	
This declaration is direct	ed to:	
☐ United	stached application, or States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and 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.	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.	
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 TECHI of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and disname or names, or in my insert the serial/applicated 17/936,269 ASSIGNEE, its success applications, in and to the	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, 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 accessors, assigns or other legal representatives to make applications and to receive Letters Patent accoveries 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.	
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 INVI	1/\/	
Inventor: Lucas Kiz	er Date: U////	
Signature: //////////		
Note: An Application Data Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	84519258	

Title of Invention	SYSTEMS AND METHODS FOR MANAGING TEMPERATURE OF AN
	ELECTRIC MACHINE OF A HYBRID ELECTRIC VEHICLE
This declaration is directed	ed to:
∇ 1	
	states application or PCT international application number
LL Omtou	States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and
number into this form wh	ten they become known.)
The above-identified app	fication was made or authorized to be made by me.
I hereby state that I hav 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 appl	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 TECHN of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and disname or names, or in my insert the serial/applicat 17/936,269 ASSIGNEE, its successe applications, in and to the	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 to 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 accessors, assigns or other legal representatives to make applications and to receive Letters Patent acoveries 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. ———————————————————————————————————
including applications for organizations, and to perf	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, 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 cure thereto the rights herein sold, assigned and set over.
And I hereby represent an	d warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not me	t 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 INVE	
Inventor: <u>Carol Loui</u>	se Okubo Date: 10 - 7 - 19
Signature:Cacol	Okubo
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.

Attorney Docket Number 84519258	
---------------------------------	--

Title of Invention	SYSTEMS AND METHODS FOR MANAGING TEMPERATURE OF AN		
	ELECTRIC MACHINE OF A HYBRID ELECTRIC VEHICLE		
This declaration is direct	ed to:		
☐ United	stached application, or States application or PCT international application number filed on		
number into this form wh	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.	re 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	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 TECHT of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and disname or names, or in my insert the serial/applicat 17/936,269 ASSIGNEE, its success applications, in and to the	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, at 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 accessors, assigns or other legal representatives to make applications and to receive Letters Patent accoveries 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 the incompanies of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————		
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 ar	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 tore than five (5) years or both.		
LEGAL NAME OF INVI	ENTOR uitney D Belt Date: 10/8/19		
Signature: Signature:	1/1- D. S		

Note: An Application Data Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.		

PATENT REEL: 061247 FRAME: 0059

RECORDED: 09/28/2022