PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4727568

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BAOMING GE	10/30/2017
LIHUA CHEN	10/30/2017
FAN XU	10/30/2017
SHUITAO YANG	10/24/2017

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC
Street Address:	330 TOWN CENTER DRIVE, SUITE 800
Internal Address:	FAIRLANE PLAZA SOUTH
City:	DEARBORN
State/Country:	MICHIGAN
Postal Code:	48126

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15837315

CORRESPONDENCE DATA

Fax Number: (734)542-9569

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: 734 542 0900 Email: east@mstfirm.com

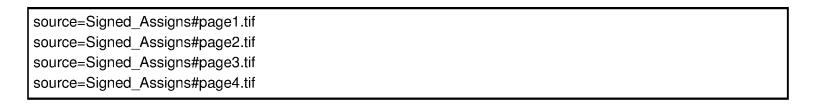
MACMILLAN, SOBANSKI & TODD, LLC - FORD **Correspondent Name:**

ONE MARITIME PLAZA - FIFTH FLOOR Address Line 1:

720 WATER STREET Address Line 2: Address Line 4: TOLEDO, OHIO 43604

ATTORNEY DOCKET NUMBER:	83871870(18873)
NAME OF SUBMITTER:	RENEE D. EAST
SIGNATURE:	/Renee D. East/
DATE SIGNED:	12/11/2017

Total Attachments: 4



	Docket Number		

Title of Invention	INTERLEAVED DC-DC CONVERTER
This declaration is direc	FOR ELECTRIFIED VEHICLES
☑ The a	ttached application, or d States application or PCT international application number filed on
The above-identified ap	plication was made or authorized to be made by me.
I hereby state that I ha including the claims.	ve reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the or	riginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part ap	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for plications, material information which became available between the filing date of the prior onal 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 the ASSIGNEE, its sfor the inventions and dname or names, or in minsert the serial/applications, its successibility of the inventions and dname or names, or in minsert the serial/applications, its successibility of the inventions and the invention of t	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto INOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws re, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and oreign, 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 discoveries in any and all countries, entities and intergovernmental organizations, in its or their own by name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to ation number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
including applications to organizations, and to pe	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental erform 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	and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not	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 IN	and the second s
Inventor: Bac	oming Ge Date: 00t.30, 201/
Signature:	et de la company
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. ion form for each additional inventor.

Number 83871870	

Title of Invent	INTERLEAVED DC-DC CONVERTER FOR ELECTRIFIED VEHICLES	
This declaration		
	The attached application, or United States application or PCT international application numberfiled on	
The above-ident	ied application was made or authorized to be made by me.	
I hereby state the including the cla	t I have reviewed and understand the contents of the specification in the above-identified ans.	pplication,
I believe that I a	the original inventor or an original joint inventor of a claimed invention in the application.	
continuation-in-	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, incart applications, material information which became available between the filing date of e national or PCT international filing date of the continuation-in-part application.	
FORD GLOBA of the State of hereinafter refer interest, domest of the ASSIGNI for the invention name or names, insert the seria 15/837315 ASSIGNEE, its applications, in including all approximate of the seria applications and including all approximate of the seria applications and including all approximate of the serial approximat	mployment agreement heretofore made or by contractual obligation, I do sell, assign and set TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue elaware, having its principal place of business at Dearborn, County of Wayne, and State of ed to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right and foreign, in and to the inventions and discoveries in the above-identified invention including, its successors, assigns or other legal representatives to make applications and to receive Let and discoveries in any and all countries, entities and intergovernmental organizations, in its or rin my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's application number and filing date of the application to receive Letters Patent herein:	of the laws Michigan, t, title and ig the right ters Patent their own attorney to Serial No. over to the provisional ganizations
including applic organizations, a	ee for myself, my heirs, successors, assigns or other legal representatives to execute any and tions for Letters Patent of any and all kinds and in any and all countries, entities and intergod to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal reprary to secure thereto the rights herein sold, assigned and set over.	vernmental
And I hereby re	esent and warrant that I have not granted any rights inconsistent with the rights granted herein.	
or imprisonmen	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 10 of not more than five (5) years or both.	001 by fine
LEGAL NAME	OF INVENTOR	
Inventor:	Lihua Chen Date: 10/30/201	7
Signature:	E Chip	
	ion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompane eclaration form for each additional inventor.	y this form.

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FOR ELECTRIFIED VEHICLES
This declaration is directed to:
☐ The attached application, or ☐ United States application or PCT international application number filed on
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. 15/837315, Filing Date
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: Fan Xu Date: 10/30/201/
Signature:
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.

		r																					

	Title of Invention INTERLEAVED DC-DC CONVERTER FOR ELECTRIFIED VEHICLES
	This declaration is directed to:
	☑ The attached application, or ☐ United States application or PCT international application number
	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. 15/837315 . Filing Date 11-Dec-2017 .), 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 bereby 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: Shuitao Yang Date: 10 / 24 / 2017
	Signature: Shucter Yane
Contract the second	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.

RECORDED: 12/11/2017