PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4180370

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FAN XU	11/30/2016
YAN ZHOU	11/30/2016
SHUITAO YANG	11/30/2016
MOHAMMED KHORSHED ALAM	11/30/2016
LIHUA CHEN	11/30/2016

RECEIVING PARTY DATA

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:	15372654	

CORRESPONDENCE DATA

Fax Number: (248)358-3351

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: 248-358-4400

Email: jnoble@brookskushman.com **Correspondent Name:** BROOKS KUSHMAN P.C./FGTL Address Line 1: 1000 TOWN CENTER, 22ND FLOOR Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER: 83727993 BENJAMIN C. STASA NAME OF SUBMITTER: SIGNATURE: /Benjamin C. Stasa/ **DATE SIGNED:** 12/12/2016

Total Attachments: 5

PATENT REEL: 040886 FRAME: 0719

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Attorney Docket Number	83727993	***

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	SELF-BALANCING PARALLEL POWER DEVICES WITH A		
This declaration is direct	TEMPERATURE COMPENSATED GATE DRIVER		
X The at	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 wh	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.	e 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 disciplinations, 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 safer the inventions and diname or names, or in my insert the serial/applica 15/372,654 ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss. And I hereby agree for including applications for the state of the serial applications and reiss.	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		
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 gramed herein.			
	tat 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	1 1 mm 12 1 mm		
Inventor: <u>Fan Xu</u>	Date: 11/2/23/2		
Signature:			
Note: An Application Dat	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		
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Attorney Docket Number	83727993	445	

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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X The at	tached application, or I States application or PCT international application number		
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The above-identified app	olication 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.P.R. 1.56, including for discussions, material information which became available between the filing date of the prior and 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 a for the inventions and d name or names, or in maintenance of the serial/applica 15/372,654 ASSIGNEE, its success applications, in and to the including all application reexaminations and reiss. 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.			
or imprisonment of not a	nat any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by finemore than five (5) years or both.		
LEGAL NAME OF INV			
Signature:			
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	is Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

Please direct all correspondence to: 28395

The state of the contract of t		
Attorney Docket Number	23777003	45-35-3 ⁵⁻⁵
CERTAINS TNOWNER SAMBIONS	E spin contractor	

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	SELF-BALANCING TEMPERATURE COM			DEVICES ER	WITH	Α
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United	tached application, or I States application or PCT intefiled on hen they become known.)	rnational application (I hereby authorize	number the insertion	of the application	n filling date	and
The above-identified app	dication was made or authorize	d to be made by me.				
I hereby state that I har including the claims.	ve reviewed and understand th	ne contents of the sp	pecification in	the above-identi	fied applicat	tion,
I believe that I am the or	iginal inventor or an original jo	int inventor of a clai	med invention	in the application)	
continuation-in-part app	o disclose information which is dications, material informational or PCT international filing	n which became a	vailable betwe	en the filing di	56, including ate of the p	g for mior
FORD GLOBAL TECH of the State of Delawar hereinafter referred to a interest, domestic and fo of the ASSIGNEE; its s for the inventions and d name or names, or in m insert the serial/applica 15/372,654 ASSIGNEE, its success	ment agreement heretofore ma NOLOGIES, LLC, a Ford Mot e, having its principal place of the ASSIGNEE, its successoring, in and to the inventions uccessors, assigns or other legaliscoveries in any and all country name, at its or their election of the number and filing date, Filing DateDecembersors, assigns or other legalise inventions and discoveries in the inventions and discoveries in the claiming benefit of the figure applications.	tor Company subsidi- of business at Dearbors, assigns or other and discoveries in the all representatives to ries, entities and inte (and I hereby author of the application ber 8, 2016 representatives, all n any and all countri	ary, organized orn, County of legal represer the above-ident make applicating overnmental ize the ASSIG to receive L.), and I herebrights of prices, entities and	and existing by value of Wayne, and Statistives, the entire ified invention in ions and to receivariant organizations, in NEE or ASSIGN etters Patent hery sell, assign and ority, including I intergovernment.	cirtue of the late of Michine right, title cluding the right to the late of th	laws gan, and right atent own ey to No. the onal tions
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.						
	hat any willful false statement more than five (5) years or both		tion is punisha	ble under 18 U.S	.C. 1001 by	fine
LEGAL NAME OF INV Inventor: Shuitao			Date:	11/2./	2016	
Inventor: Shuitao Signature: S	rang Ranga Yangga		cossis.		**************************************	
. Milling	*		*****			
	ia Sheet (PTO/SB/14 or equivalen		he entire inventi	ve entity, must acc	ompany this t	om,

<u> </u>		
Attorney Docket Number	83727993	* : **

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 SELF-BALANCING PARALLEL POWER DEVICES WITH A
TEMPERATURE COMPENSATED GATE DRIVER 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. 15/372, 654
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: Mahammed Kharched Alam Date: 1/30/2015
Inventor: Mohammed Khorshed Alam Date: 19 30/2019
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.

RECORDED: 12/12/2016

Attorney Docket Number	83727993	# 4. ²⁰

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	SELF-BALANCING TEMPERATURE COM		100		WITH	Α
This declaration is direc	ted to:				······	
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The above-identified ap	plication was made or authorize	d to be made by me.				
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FORD GLOBAL TECH of the State of Delawa hereinafter referred to interest, domestic and for the ASSIGNEE, its of for the inventions and coname or names, or in minsert the serial/applications, in and to tincluding all applications and reis And I hereby agree for	myself, my heirs, successors,	or Company subsidiary, org f business at Dearborn, Coors, assigns or other legal reand discoveries in the aboval representatives to make a ries, entities and intergoverr (and I hereby authorize the of the application to recoer 8, 2016), and representatives, all rights n any and all countries, entiting date hereof, continual	anized unty of a press of a property of a press of a pr	d and existing by of Wayne, and Sentatives, the entations and to record or ASSIG Letters Patent Participy including the intergovernment on time and intergovernment intergover	virtue of the state of Michi ire right, title including the sive Letters Print in its or their NEE's attornated and set over tog any provisiontal organizations, divisiony and all part, divisiony and all part,	laws igan, and right atent own by to No. the ional tions nals,
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And I hereby represent	and warrant that I have not gran	ted any rights inconsistent v	ith th	ie rights granted l	rerein.	
	hat any willful false statement a more than five (5) years or both		unish	hable under 18 U	.S.C. 1001 by	fine
LEGAL NAME OF IN	VENTOR		Oleva v	11/30/2	2016	
Inventor: <u>Lihua C</u>	nen	<u> </u>	ite:	14241	- W (W	
Signature:	=1/04)		~~~~		***************************************	
	ita Sheet (PTO/SB/14 or equivalen		inven	itive entity, must a	ccompany this	form.