506415947 12/21/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6462704

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RUI WANG	11/06/2020
XIAO GUANG YANG	11/06/2020
BAOJIN WANG	11/02/2020
XU WANG	11/06/2020

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:	17129618

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:	84321928	
NAME OF SUBMITTER:	DAWSON FINLEY	
SIGNATURE:	/Dawson Finley/	
DATE SIGNED:	12/21/2020	

Total Attachments: 4

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PATENT REEL: 054715 FRAME: 0040

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Attorney Docket Number	84321928

Title of Invention	SYSTEM AND METHOD FOR QUANTIFYING BA	ATTERY USAGE	
This declaration is directed to:			
The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and number into this form when they become known.)			
The above-identified app	oplication was made or authorized to be made by me.		
I hereby state that I havincluding the claims.	ave reviewed and understand the contents of the specification in th	ne above-identified application,	
I believe that I am the ori	original 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/applicated 17/129,618 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissue. And I hereby agree for reincluding applications for organizations, and to per including applications, and to per including applications and including applications.	Ament agreement heretofore made or by contractual obligation, I do HNOLOGIES, LLC, a Ford Motor Company subsidiary, organized an are, having its principal place of business at Dearborn, County of V as the ASSIGNEE, its successors, assigns or other legal representations or other legal representations and discoveries in the above-identified successors, assigns or other legal representatives to make application discoveries in any and all countries, entities and intergovernmental or any name, at its or their election (and I hereby authorize the ASSIGNEE), Filing Date December 21, 2020), and I hereby sessors, assigns or other legal representatives, all rights of priorical the inventions and discoveries in any and all countries, entities and in one claiming benefit of the filing date hereof, continuations, consider applications. The myself, my heirs, successors, assigns or other legal representatives for Letters Patent of any and all kinds and in any and all countries, erform any and all acts which the ASSIGNEE, its successors, assign secure thereto the rights herein sold, assigned and set over.	and existing by virtue of the laws Wayne, and State of Michigan, tives, the entire right, title and ed invention including the right and to receive Letters Patent reganizations, in its or their own EE or ASSIGNEE's attorney to ters Patent herein: Serial No. sell, assign and set over to the ity, including any provisional intergovernmental organizations intinuations-in-part, divisionals, as to execute any and all papers, entities and intergovernmental	
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 INV	VENTOR 1	1/06/2020	
Inventor: Rui Wang	ng Date:	1/00/2020	
Signature: /Rui W	Vang/		
	ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive	entity, must accompany this form.	

Attorney Docket Number	84321928

Title of Invention	SYSTEM AND METHOD FOR QU	JANTIFYING BATTERY USAGE
This declaration is direct	ed to:	
The attached application, or United States application or PCT international application number filed on (I hereby authorize the insertion of the application filing date and number into this form when 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	he specification in the above-identified application,
I believe that I am the ori	iginal inventor or an original joint inventor of a	claimed invention in the application.
continuation-in-part app		entability as defined in 37 C.F.R. 1.56, including for the available between the filing date of the prior nuation-in-part application.
FORD GLOBAL TECHIOF of the State of Delaward hereinafter referred to as interest, domestic and for of the ASSIGNEE, its suffor the inventions and diname or names, or in my insert the serial/applicated 17/129,618 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissues.	NOLOGIES, LLC, a Ford Motor Company subset, having its principal place of business at Dos the ASSIGNEE, its successors, assigns or or reign, in and to the inventions and discoveries accessors, assigns or other legal representative scoveries in any and all countries, entities and a name, at its or their election (and I hereby aution number and filing date of the application, Filing Date December 21, 2020 sors, assigns or other legal representatives, we inventions and discoveries in any and all comes claiming benefit of the filing date hereof the applications.	ctual obligation, I do sell, assign and set over unto osidiary, organized and existing by virtue of the laws earborn, County of Wayne, and State of Michigan, other legal representatives, the entire right, title and in the above-identified invention including the right is to make applications and to receive Letters Patent intergovernmental organizations, in its or their own other the ASSIGNEE or ASSIGNEE's attorney to tion to receive Letters Patent herein: Serial No.), and I hereby sell, assign and set over to the all rights of priority, including any provisional untries, entities and intergovernmental organizations of, continuations, continuations-in-part, divisionals,
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.		
	at any willful false statement made in this decore than five (5) years or both.	claration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV Inventor: Xiao Gua		Date: 11/06/2020
	Guang Yang/	
	a Sheet (PTO/SB/14 or equivalent), including nami	ng the entire inventive entity, must accompany this form.

Attorney Docket	Number	8/33103	192	
THOTHEY DACKET	TARRETTAL	1 17432171	<i>A</i> 3:	

title of invention	SYSTEM AND METHOD FOR QUANTIFYING BATTERY USAGE
This declaration is direc	ted to:
Unite	ttached application, or d States application or PCT international application number
	시간 바다 가장 하는 것이 되는 이 가장이 모든 것이 되는 것이 없다.
rue apove-identified ap	plication was made or authorized to be made by me.
I hereby state that I had including the claims.	we reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the o	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 Delawa hereinafter referred to interest, domestic and f of the ASSIGNEE, its for the inventions and d name or names, or in m insert the serial/applic	rment 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 liscoveries in any and all countries, entities and intergovernmental organizations, in its or their own many name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to attorn number and filling date of the application to receive Letters Patent herein: Serial No.
ASSIGNEE, its succe applications, in and to i	ssors, assigns or other legal representatives, all rights of priority, including any provisional he inventions and discoveries in any and all countries, entities and intergovernmental organizations ms claiming benefit of the filing date hereof, continuations, continuations in-part, divisionals,
including applications forganizations, 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 arform 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.
	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 Inventor: Baojin	
	Basjulary
	ia 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	84321928

Title of Invention	SYSTEM AND METHOD FOR QUANTIFYING BATTERY USAGE
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. 17/129.618 December 21, 2020), 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 INV Inventor: Xu Wang	
	ing Ru
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.	

Use an additional declaration form for each additional inventor.

PATENT

RECORDED: 12/21/2020 REEL: 054715 FRAME: 0045