506391245 12/08/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6438001

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BHASKARA RAO BODDAKAYALA	12/08/2020
SARAVANAN PARAMASIVAM	12/08/2020
SURIYAPRAKASH AYYANGAR JANARTHANAM	12/07/2020
MOHAMMADREZA EFTEKHARI	12/08/2020
KANCHANA PERUMALLA	12/08/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17115103

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: 2489888360

Email: docket@cgolaw.com

Correspondent Name: CARLSON GASKEY & OLDS P.C./FORD

Address Line 1: 400 W. MAPLE RD.

Address Line 4: BIRMINGHAM, MICHIGAN 48009

ATTORNEY DOCKET NUMBER: 84316338; 67186-1086PUS1	
NAME OF SUBMITTER:	MATTHEW L. KOZIARZ
SIGNATURE:	/Matthew L. Koziarz/
DATE SIGNED:	12/08/2020

Total Attachments: 5

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PATENT REEL: 054578 FRAME: 0904

506391245



PATENT REEL: 054578 FRAME: 0905

Attornev Docket Number	1 84316338:	: 67186-1086 PUS1

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 PACK WITH THERN	AL BARRIER
This declaration is directed	to:	
United S		ication number horize the insertion of the application filing date and
The above-identified applie	cation was made or authorized to be made	y me.
I hereby state that I have including the claims.	reviewed and understand the contents of	the specification in the above-identified application,
I believe that I am the original	inal inventor or an original joint inventor o	a claimed invention in the application.
continuation-in-part applie		atentability as defined in 37 C.F.R. 1.56, including for time available between the filing date of the prior atinuation-in-part application.
FORD GLOBAL TECHNO of the State of Delaware, hereinafter referred to as interest, domestic and fore of the ASSIGNEE, its sucfor the inventions and disc name or names, or in my tinsert the serial/application 17115103 ASSIGNEE, its successor applications, in and to the	OLOGIES, LLC, a Ford Motor Company s having its principal place of business at the ASSIGNEE, its successors, assigns or ign, in and to the inventions and discovericessors, assigns or other legal representatioveries in any and all countries, entities at name, at its or their election (and I hereby on number and filing date of the appliance). Filing Date 2020-12-08 rs, assigns or other legal representative inventions and discoveries in any and all claiming benefit of the filing date her	ractual obligation. I do sell, assign and set over unto ubsidiary, organized and existing by virtue of the laws Dearborn, County of Wayne, and State of Michigan, other legal representatives, the entire right, title and as in the above-identified invention including the right was to make applications and to receive Letters Patent ad intergovernmental organizations, in its or their own authorize the ASSIGNEE or ASSIGNEE's attorney to cation to receive Letters Patent herein: Serial No), and I hereby sell, assign and set over to the s, all rights of priority, including any provisional countries, entities and intergovernmental organizations eof, continuations, continuations-in-part, divisionals,
including applications for organizations, and to perfe	Letters Patent of any and all kinds and in	er legal representatives to execute any and all papers, any and all countries, entities and intergovernmental i, its successors, assigns or other legal representatives 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 mo	re than five (5) years or both.	eclaration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INVE	NTOR ao Boddakayala	Date:
	Rao Boddakayali	
	Shoot (DTO/29/14 or amivalant) insludive no	ring the active inventive active react accordance this face.

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.

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Attornev Docket Number	84316338	: 67186-1086 PUS1

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	tached application, or States application or PCT international filed on (I hereby then they become known.)	application number y authorize the insertion of the application filing date and
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I hereby state that I have including the claims.	re reviewed and understand the conten	ts of the specification in the above-identified application,
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continuation-in-part app		to patentability as defined in 37 C.F.R. 1.56, including for became available between the filing date of the prior e continuation-in-part application.
FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and di- name or names, or in my insert the serial/applicat 17115103 ASSIGNEE, its success applications, in and to th including all application reexaminations and reissu And I hereby agree for a including applications for	NOLOGIES, LLC, a Ford Motor Compare, having its principal place of business the ASSIGNEE, its successors, assign reign, in and to the inventions and disconcessors, assigns or other legal represe scoveries in any and all countries, entition number and filing date of the amount of the manner of the filing date of the applications.	contractual obligation, I do sell, assign and set over unto any subsidiary, organized and existing by virtue of the laws is at Dearborn, County of Wayne, and State of Michigan, as or other legal representatives, the entire right, title and overies in the above-identified invention including the right intatives to make applications and to receive Letters Patent es and intergovernmental organizations, in its or their own reby authorize the ASSIGNEE or ASSIGNEE's attorney to application to receive Letters Patent herein: Serial No.
	form any and all acts which the ASSIC ecure thereto the rights herein sold, assignment of the rights herein sold.	SNEE, its successors, assigns or other legal representatives gned and set over.
And I hereby represent as	nd warrant that I have not granted any ri	ghts inconsistent with the rights granted herein.
	at any willful false statement made in the nore than five (5) years or both.	his declaration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV	ENTOR	5 . 12/8/2020
Inventor: Saravanaı	1 Paramasivam	Date: 12/0/2020
Signature: /Saravar	nan Paramasivam/	
	a Sheet (PTO/SB/14 or equivalent), includir	ng naming the entire inventive entity, must accompany this form.

Attornev Docket Number	1 84316338:	: 67186-1086 PUS1

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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FORD GLOBAL TECHI of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dir name or names, or in my insert the serial/applicat 17115103 ASSIGNEE, its success applications, in and to th including all application reexaminations and reisse And I hereby agree for r including applications fo organizations, and to per	NOLOGIES, LLC, a Ford Motor Compe, having its principal place of busines the ASSIGNEE, its successors, assigned, in and to the inventions and discoveries in any and all countries, entity name, at its or their election (and I he ion number and filing date of the Filing Date 2020-12-08 fors, assigns or other legal represent inventions and discoveries in any and as claiming benefit of the filing data are applications. Hyself, my heirs, successors, assigns or Letters Patent of any and all kinds a	contractual obligation. I do sell, assign and set over unto cany subsidiary, organized and existing by virtue of the laws as at Dearborn, County of Wayne, and State of Michigan, can or other legal representatives, the entire right, title and coveries in the above-identified invention including the right entatives to make applications and to receive Letters Patent ties and intergovernmental organizations, in its or their own preby authorize the ASSIGNEE or ASSIGNEE's attorney to application to receive Letters Patent herein: Serial No
,	·	ights inconsistent with the rights granted herein.
or imprisonment of not m	ore than five (5) years or both.	this declaration is punishable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INV. Inventor: Suriyapra	ENTOR kash Ayyangar Janarthanam	_{Date:} 12/7/2020
/Surivan	rakash A Janarthan	
Signature: //Suriyap		
	i Sheet (PTO/SB/14 or equivalent), includi n form for each additional inventor.	ng naming the entire inventive entity, must accompany this form.

PATENT REEL: 054578 FRAME: 0908

Attorney Docket Number 84316338; 67186-1086 PUS1

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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The above-identified appl	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 original	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part appl	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 nal 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 dis name or names, or in my insert the serial/applicated 17115103 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, is 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 scoveries in any and all countries, entities and intergovernmental organizations, in its or their own rame, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the sors, assigns or other legal representatives, all rights of priority, including any provisional e inventions and discoveries in any and all countries, entities and intergovernmental organizations as claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, the applications.
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 an	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 INVI	17/8/7/17/1
Inventor: Mohamma	adreza Eftekhari Date: 12/0/2020
Signature: /Mohamn	madreza Eftekhari/
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 054578 FRAME: 0909

Attorney Docket Number	84316338; 67186-1086 PUS1
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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)

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The above-identified appl	lication 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 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. 17115103, Filing Date 2020-12-08), 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.	
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 //8/ // / /
	Date: 12/0/2020
Signature: /Kanchan	na Perumalla/
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT
RECORDED: 12/08/2020 REEL: 054578 FRAME: 0910