502639309 01/16/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2685917

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PERRY ROBINSON MACNEILLE	01/15/2014
OLEG YURIEVITCH GUSIKHIN	01/15/2014
DAVID ALLEN KOWALSKI	01/16/2014

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:	14157056

CORRESPONDENCE DATA

Fax Number: (313)322-7162 Phone: 248-358-4400

Email: jrichmond@brookskushman.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: BROOKS KUSHMAN P.C./FGTL

Address Line 1: 1000 TOWN CENTER

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Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER:	83208311
NAME OF SUBMITTER:	JODY RICHMOND

PATENT 502639309 REEL: 031987 FRAME: 0474

Signature:	/Jody Richmond/
Date:	01/16/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

PATENT REEL: 031987 FRAME: 0475 Please direct all correspondence to: 28395

Attorney Docket Number	83208311	

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	METHOD AND APPARATUS FOR ELECTRIC VEHICLE TRIP AND RECHARGE PLANNING	
This declaration is directed to:		
☐ United	ached application, or States application or PCT international application number filed on	
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.	
continuation-in-part app	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 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 14/157,056 ASSIGNEE, its success applications, in and to the including all application reexaminations and reisson		
including applications fo organizations, and to per	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, it 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 occure 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 ore than five (5) years or both.	
LEGAL NAME OF INV		
Inventor: <u>David All</u> Signature: <u>David All</u>	en Kowalski Date: 1997 (1997)	
Nates An Application Date	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	
Use an additional declaration	n form for each additional inventor.	

PATENT REEL: 031987 FRAME: 0476

	Control of the control			
Att	orney Docket Nu	mber 8320	08311	

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Inventi	on METHOD AND APPARATUS FOR ELECTRIC VEHICLE TRIP AND RECHARGE PLANNING		
This declaration is directed to:			
×	The attached application, or United States application or PCT international application number filed on		
The above-identity	ied application was made or authorized to be made by me.		
I hereby state the including the claim	at I have reviewed and understand the contents of the specification in the above-identified application, ms.		
I believe that I an	the original inventor or an original joint inventor of a claimed invention in the application.		
continuation-in-p	duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for art applications, material information which became available between the filing date of the prior at national or PCT international filing date of the continuation-in-part application.		
FORD GLOBAL of the State of E hereinafter referrinterest, domestic of the ASSIGNE for the inventions name or names, consert the serial 14/157,05 ASSIGNEE, its applications, in a including all application of the state of the serial 14/157,05 applications, in a including all application of the state of th	mployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws relaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, and to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and and foreign, in and to the inventions and discoveries in the above-identified invention including the right E, its successors, assigns or other legal representatives to make applications and to receive Letters Patent and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own or in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to application number and filing date of the application to receive Letters Patent herein: Serial No. [A Piling Date January 16, 2014], and I hereby sell, assign and set over to the successors, assigns or other legal representatives, all rights of priority, including any provisional and to the inventions and discoveries in any and all countries, entities and intergovernmental organizations oblications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, and reissue applications.		
including applica organizations, an	ree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, tions for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental d to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ary to secure thereto the rights herein sold, assigned and set over.		
And I hereby rep	resent and warrant that I have not granted any rights inconsistent with the rights granted herein.		
	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both.		
LEGAL NAME (
Inventor: Po	rry Robinson MacNeille Date: 1/5/2019		
Signature:	enf has bell		
	ion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

PATENT REEL: 031987 FRAME: 0477

Attorney Docket Number 83208311	
Attorney Docket Number 1 X320X311	

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	METHOD AND APPARATUS FOR ELECTRIC VEHICLE TRIP AND RECHARGE PLANNING
This declaration is direct	ted to:
	attached application, or definite definition of the states application of the 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 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 and 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 chame or names, or in minsert the serial/applic 14/157,056 ASSIGNEE, its succe applications, in and to the including all applications and reist and I hereby agree for including applications organizations, and to personal techniques of the state of	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 liscoveries in any and all countries, entities and intergovernmental organizations, in its or their own manner, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to attoin number and filing date of the application to receive Letters Patent herein: Serial No. —, Filing DateJanuary 16, _2014), and I hereby sell, assign and set over to the seors, assigns or other legal representatives, all rights of priority, including any provisional the inventions and discoveries in any and all countries, entities and intergovernmental organizations on claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, sue applications. 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.
	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	
	rievitch Gusikhin Date: 2//3/5/7
Signature:	y la lance
	<u> </u>
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

PATENT REEL: 031987 FRAME: 0478

RECORDED: 01/16/2014