502927466 08/08/2014

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2974066

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN JOSEPH FRANCIS BONNEN	07/23/2014
SERGEY FEDOROVICH GOLOVASHCHENKO	07/25/2014
ALEXANDER MAMUTOV	08/07/2014
LLOYD DOUGLAS MAISON	07/28/2014
SCOTT ALWYN DAWSON	08/07/2014
JAMES DEVRIES	08/07/2014

### **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:	14454968

### **CORRESPONDENCE DATA**

**Fax Number:** (313)322-7162

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:** jrichmond@brookskushman.com **Correspondent Name:** BROOKS KUSHMAN P.C./FGTL

Address Line 1: 1000 TOWN CENTER

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER:	83437438
NAME OF SUBMITTER:	JODY RICHMOND
SIGNATURE:	/JODY RICHMOND/
DATE SIGNED:	08/08/2014

	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 6	
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source=Assignment#page2.tif	
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source=Assignment#page6.tif	

Title of Invention

Attorne									

## 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)

ELECTRODE CARTRIDGE FOR PULSE WELDING

This declaration	is directed to
Š	The attached application, or United States application or PCT international application numberfiled on
The above-ident	ified application was made or authorized to be made by me.
I hereby state to including the cla	hat I have reviewed and understand the contents of the specification in the above-identified application, sims.
I believe that I a	m the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-	ne duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for part applications, material information which became available between the filing date of the prior the national or PCT international filing date of the continuation-in-part application.
FORD GLOBA of the State of hercinafter referencest, domest of the ASSIGN for the inventioname or names, insert the serie 14/454, ASSIGNEE, it applications, in including all a	employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto L TECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws Delaware, having its principal place of business at Dearborn. County of Wayne, and State of Michigan, tred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right title and ic and foreign, in and to the inventions and discoveries in the above-identified invention including the right life, its successors, assigns or other legal representatives to make applications and to receive Letters Patent as 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 all application number and filing date of the application to receive Letters Patent herein. Serial No. 968. Filing Date August 8, 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, pplications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, and reissue applications.
including appli- oceanizations, a	gree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, cations for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental and to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives assay to accure thereto the rights herein sold, assigned and set over.
And I hereby re	present and warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonner	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine it of not more than five (5) years or both.
LEGAL NAME	OF INVENTOR1/12/16/
Inventor:	Tolin Joseph Francis Bonnen Date: 7/42/17
Signature:	John Joseph Francis Bonnen Date: 7/23/14  John Joseph Francis Bonnes Barries
	cation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Note: An Appli	cation Data Sheet (PTO/SB/14 of equivalent), including naming the cities inventive entry, man invention of the

Attorney Docket Number	

Title of Invention	ELECTRODE CARTRIDGE FOR PULSE WELDING				
This declaration is directed to:					
☐ Unite	nttached 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 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 fof the ASSIGNEE, its for the inventions and coname or names, or in minsert the serial/applications, in and to tincluding all applications and reise and I hereby agree for	myself, my heirs, successors, assigns or other legal representatives to execute any and all papers,				
organizations, and to pe	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 warrant that I have not granted any rights inconsistent with the rights granted herein.				
I hereby acknowledge to 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					
Inventor: Sergey I	Gedorovich Golovashchenko Date: U123321				
Signature:	Ty Golova V				
Note: An Application Da	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.				

Attorney Docket Number	00400400
Afforney Flocket Number	83437436
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Title of Invention	ELECTRODE CARTRIDGE FOR PULSE WELDING
This declaration is direct	ed to:
☐ United	tached application, or States application or PCT international application numberfiled on
The above-identified app	lication was made or authorized to be made by 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 or	iginal inventor or an original joint inventor of a claimed invention in the application.
continuation in part ann	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 TECH of the State of Delawar hereinafter referred to a interest, domestic and fo of the ASSIGNEE, its si for the inventions and di name or names, or in my insert the serial/applica 14/454,968  ASSIGNEE, its success	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 a name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to tion number and filing date of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————
including applications for	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 rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives recure thereto the rights herein sold, assigned and set over.
And I hereby represent a	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowledge th	nat 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	VENTOR and land land
Inventor: Alexande	Pr Mamutov Date: 08/04/2019
Signature:	<u>and</u>
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
Note: An Application Dal Use an additional declaration	on form for each additional inventor.

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	orr																	

Title of Invent	tion	ELECTRODE CARTRIDGE FOR PULSE WELDING
This declaration	is direct	led to:
Š	The at	nached application, or I States application or PCT international application number filed on
The above-ident	ified app	olication was made or authorized to be made by me.
I hereby state the including the cla		ve reviewed and understand the contents of the specification in the above-identified application.
I believe that I a	m the or	iginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-	part apr	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for bilications, 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 of the State of I hereinafter refer interest, domesti of the ASSIGNE for the invention name or names, insert the serial 14/454,9 ASSIGNEE, its applications. in	L TECH Delawar red to a ic and fo EE, its s as and d or in m 1/applics 6/6/8  succes and to the application	ment 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, as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and preign, 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 iscoveries in any and all countries, entities and intergovernmental organizations, in its or their own y name, 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.  ———————————————————————————————————
including applic organizations, as	ations fi nd 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 rform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives accure thereto the rights herein sold, assigned and set over.
And I hereby rep	present e	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment	ofnot	net any willful felse statement mede in this declaration is punishable under 18 U.S.C. 1001 by fine nore than five (5) years or both.
LEGAL NAME Inventor:		VENTOR Date: 7-28-2014
Signature:	91	Light fine
Note: An Applica	ation Dat declaration	g. Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. In form for each additional inventor.

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Attorney Docket Number	83437438
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Title of Invention	ELECTRODE CARTRIDGE FOR POLSE WELDING
This declaration is dire	cted to:
	attached application, or ed States application or PCT international application numberfiled on
The above-identified a	oplication was made or authorized to be made by me.
I hereby state that I h including the claims.	ave 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.
continuation-in-part as	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for oplications, 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 TEC of the State of Delawi hereinafter referred to interest, domestic and of the ASSIGNEE, its for the inventions and name or names, or in the insert the serial/applic 14/454,968 ASSIGNEE, its successful and to	ement agreement heretofore made or by contractual obligation, I do sell, assign and set over unto HNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws are, 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 foreign, 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 my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to reation number and filing date of the application to receive Letters Patent herein: Serial No.  —, Filing Date August 8, 2014 —), and I hereby sell, assign and set over to the ressors, 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 ons claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, usual applications.
including applications organizations, and to p	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.
I hereby acknowledge or imprisonment of not	that 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	VENTOR (/) Pote: 8/7/2014
Inventor: Scott	wyp Date: 0///2014
Signature:	1 dl
Note: An Application D	ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.

Attorney Docket Number	83437438
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Title of Inventi	on ELECTRODE CARTRIDGE FOR PULSE WELDING							
This declaration is directed to:								
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The above-identif	ied application was made or authorized to be made by me.							
I heroby state the	at I have reviewed and understand the contents of the specification in the above-identified application, ms.							
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.							
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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. 14/454,968 , Filing Date August 8, 2014 ), 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								
Inventor: Ja	DE INVENTOR mes de Vries Date: 8-7-14							
Signature:	24,							
Note: An Applicat	ion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entiry, must accompany this form.							

PATENT REEL: 033494 FRAME: 0338

**RECORDED: 08/08/2014**