PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Hasdi R. Hashim	09/25/2013
Bruce Carvell Blakemore	09/25/2013
Arnold Kweku Mensah-Brown	09/25/2013

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:	14037960	

CORRESPONDENCE DATA

Fax Number: 3133227162

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

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

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Address Line 4: SOUTHFIELD, MICHIGAN 48075-1238

ATTORNEY DOCKET NUMBER:	83362183	
NAME OF SUBMITTER:	Jody Richmond	
Signature:	/Jody Richmond/	

502510782 REEL: 031290 FRAME: 0027

14037960

Date:	09/26/2013
	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: 031290 FRAME: 0028

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Attorney Docket Number	L A 1-30 A LA 1

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)

litte of Invention	BUS PRE-CHARGE CONTROL USING A BUCK CONVERTER		
This declaration is dir	This declaration is directed to:		
Uni	attached application, or ted States application or PCT international application number filed on		
The above-identified a	application was made or authorized to be made by me.		
I hereby state that I including the claims.	have 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	y to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for applications, material information which became available between the filing date of the prior tional or PCT international filing date of the continuation-in-part application.		
FORD GLOBAL TEC of the State of Delay hereinafter referred to interest, domestic and of the ASSIGNEE, it for the inventions and name or names, or in insert the serial/appled 14/037, 960 ASSIGNEE, its successful applications, in and to	chnologies, Li.C., a Ford Motor Company subsidiary, organized and existing by virtue of the laws vare, 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 ication number and filing date of the application to receive Letters Patent herein: Serial No., Filing Date September 26, 2013), and I hereby sell, assign and set over to the ressors, assigns or other legal representatives, all rights of priority, including any provisional of the inventions and discoveries in any and all countries, entities and intergovernmental organizations tions claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, issue applications.		
including application organizations, and to	or myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, s for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives to secure thereto the rights herein sold, assigned and set over.		
And I hereby represer	nt 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 of more than five (5) years or both.		
LEGAL NAME OF I	NVENTOR # / _ / _ /		
	RHashim Date: 7/25/2213		
Signature:	A Comment of the Comm		
	Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this formation form for each additional inventor.		

PATENT REEL: 031290 FRAME: 0029

Attorney Docket Number	

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	BUS PRE-CHARGE CONTROL USING A BUCK CONVERTER
This declaration is o	lirected to:
	he attached application, or international application number filed on
The above-identifie	d application was made or authorized to be made by me.
I hereby state that including the claims	I have reviewed and understand the contents of the specification in the above-identified application,
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part	uty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for applications, material information which became available between the filing date of the prior national or PCT international filing date of the continuation-in-part application.
FORD GLOBAL T of the State of Del hereinafter referred interest, domestic a of the ASSIGNEE, for the inventions a name or names, or insert the serial/ap 14/037,960 ASSIGNEE, its st applications, in and including all appli	ployment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto ECHNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws aware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and nd foreign, in and to the inventions and discoveries in the above-identified invention including the right 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 in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to replication number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
including application organizations, and	for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ons for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives y to secure thereto the rights herein sold, assigned and set over.
And I hereby repres	sent and warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknowled	lge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine not more than five (5) years or both.
LEGAL NAME OF	INVENTOR
Inventor: Bru	ce Carvell Blakemore Date: Jep 27 2773
Signature:	
	h Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
	h Data Sheet (P10/SB/14 of equivalent), including naming the entire inventive entity, thus accompany this form.

PATENT REEL: 031290 FRAME: 0030

83362183

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)

little of invention	BUS PRE-CHARGE CONTROL USING A BUCK CONVERTER
This declaration is dire	cted to:
[] Unit	attached application, or ed States application or PCT international application number filed 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 a	to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for optications, material information which became available between the filing date of the prior ional or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TEC of the State of Delaw hereinafter referred to interest, domestic and of the ASSIGNEE, its for the inventions and name or names, or in t insert the serial/appli- 14/037, 960 ASSIGNEE, its succe applications, in and to	yment 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 may name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to cation number and filing date of the application to receive Letters Patent herein: Serial No. ———————————————————————————————————
including applications organizations, and to p	r 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 perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives a 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.
	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	EVENTOR $9/2 < -/20/2$
Inventor: Amold	Kweku Mensah-Brown Date:
Signature:	/ } 07====================================
Note: An Amslication D	ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.
	tion form for each additional inventor.

PATENT REEL: 031290 FRAME: 0031

RECORDED: 09/26/2013