## 503609514 12/14/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3656145

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
SAMUEL JEFFREY TO	MLINSON	J		12/10/2015	
CHRISTOPHER SNOW				12/11/2015	
CHRISTOPHER WILLIA		IAN		12/11/2015	
RECEIVING PARTY DA	ТА				
Name:	FORD GLOBAL TECHNOLOGIES, LLC				
Street Address:		330 TOWN CENTER DR.			
Internal Address:	FAIRLA	FAIRLANE PLAZA SOUTH, SUITE 800			
City:	DEARE	ORN			
State/Country:	місніє	GAN			
Postal Code:	48126				
Property Type		Number			
Property Type Application Number:		<b>Number</b> 14966594			
Application Number:					
Application Number:					
Application Number: CORRESPONDENCE D Fax Number:	ΑΤΑ	14966594	f that is unsucc	essful, it will be sent	
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	ATA e sent to				
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone:	ATA e sent to provideo	14966594 <i>the e-mail address first; i</i> <i>if that is unsuccessful, it</i> 331-205-7090			
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> PATENT REEL: 037280 FRAME: 0878

Attorney Docket Number 83601949

## 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 Invent	tion Charge Motion Control Valve Seal and Method of Assembly
This declaration	is directed to:
	The attached application, or United States application or PCT international application number filed on
The above-ident	ified application was made or authorized to be made by me.
I hereby state the including the cla	hat I have reviewed and understand the contents of the specification in the above-identified application, tims.
I believe that I a	m the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-	the 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 hereinafter refer interest, domesti of the ASSIGNI for the invention name or names, insert the seria 14/966,594 ASSIGNEE, its applications, in including all ap reexaminations	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, red 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 EE, 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 Japplication number and filing date of the application to receive Letters Patent herein: Serial No. Filing Date 11-Dec-2015 ), and I hereby sell, assign and set over to the assoccessors, 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, in discover to the assoccessors, 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 oplications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, and reissue applications.
including applic organizations, a	gree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ations 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 assary to secure thereto the rights herein sold, assigned and set over.
And I hereby rep	present and warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknow	vledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine t of not more than five (5) years or both.
	OF INVENTOR
	Christopher William Newman Date: 11 Dec 15
Signature: <u>C</u>	Unite contraction recommendation
Note: An Applic Use an additional	ation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, declaration form for each additional inventor.

PATENT REEL: 037280 FRAME: 0879

Attorney Docket Number 83601949

## 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 Invent	on Charge Motion Control Valve Seal and Method of Assembly					
ame or mvem	on Charge Motion Control Valve Seal and Method of Assembly					
This declaration is directed to:						
M N	The attached application, or					
السا	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 th including the clai	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.						
continuation-in-p	e 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 we national or PCT international filing date of the continuation-in-part application.					
FORD GLOBAL of the State of I hereinafter referr interest, domestid of the ASSIGNE for the invention name or names, of insert the serial, <u>14/966,594</u> ASSIGNEE, its applications, in a including all ap reexaminations a And I hereby ag- including applicit organizations, an	amployment 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 belaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, ed 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 is 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					
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						
Investor: <u>C</u>	hristopher Snow, / Date: /11/2013					
Signature:	<u>CAT-1 K-</u>					
<b></b>						
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.						
~~~~~ MIX 64653326533662 &	NYAR WAVE AVAILE FE YENSE HERREFORME (37.7.2010).					

Attorney Docket Number 83601949

PATENT REEL: 037280 FRAME: 0880

## 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 Inventi	Charge Motion Control Valve Seal and Method of Assembly			
**************	Charge sended control valve Seal and Method of Assembly			
This declaration is directed to:				
8	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. 14/966,594				
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 O Inventor: <u>Sa</u> Signature:	PINVENTOR nuel leffrey Tomlinson Date: 12/10/2015			
Note: An Applicati Use an additional de	on Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, claration form for each additional inventor.			

**RECORDED: 12/14/2015**