502850866 06/13/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2897463

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID JAMES BAUCH	06/09/2014
PATRICK JAMES BLANCHARD	06/11/2014
GLEN SMITH	06/05/2014
MICHAEL CACOVIC	06/09/2014

### **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:	14303725

### **CORRESPONDENCE DATA**

**Fax Number:** (937)449-6405

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:** 937-449-6400

Email:diane.marcus@dinsmore.comCorrespondent Name:DINSMORE & SHOHL LLPAddress Line 1:ONE SOUTH MAIN STREET

Address Line 2: SUITE 1300

Address Line 4: DAYTON, OHIO 45402

ATTORNEY DOCKET NUMBER:	83351481
NAME OF SUBMITTER:	PAUL M. ULRICH
SIGNATURE:	/Paul M. Ulrich/
DATE SIGNED:	06/13/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

PATENT

502850866 REEL: 033097 FRAME: 0552

source=FRD0226PA-Assignmentsrev1#page1.tif source=FRD0226PA-Assignmentsrev1#page2.tif source=FRD0226PA-Assignmentsrev1#page3.tif source=FRD0226PA-Assignmentsrev1#page4.tif

## Please direct all correspondence to:

Attorney Docket Number 83351481	
Amorbey Docket (validoe) 65351461	7

# 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	Apparatus and Methods for Vehicle Structural or Semi-Structural Component Assembly Enabling Tunable Deceleration Characteristics
This declaration is dire	cted to:
☐ Unit	attached application, or ed States application or PCT international application number filed on
The above-identified ap	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 o	original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part at	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 onal or PCT international filing date of the continuation-in-part application.
of the State of Delawa hereinafter referred to interest, domestic and to of the ASSIGNEE, its for the inventions and name or names, or in n insert the serial/applications.	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 many 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.  ———————————————————————————————————
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.
or unprisonment 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	
Inventor: <u>David li</u> Signature:	imes Bauch Date: Jan 4,2014 Lang Lang
Note: An Application Da Use an additional declarat	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, ion for each additional inventor.

Attorney Docket N	umber	83351481	

## 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 Inver	ntion Apparatus and Methods for Vehicle Structural or Semi-Structural Component Assembly Enabling Tunable Deceleration Characteristics
This declaration	n is directed to:
	The attached application, or United States application or PCT international application numberfiled on
The above-iden	ntified application was made or authorized to be made by me.
I hereby state including the cl	that I have reviewed and understand the contents of the specification in the above-identified application, laims.
I believe that I	am 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.
of the State of hereinafter referencest, domes of the ASSIGN for the inventioname or names insert the seri 14/303,725  ASSIGNEE, it applications, in including all it	y employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto AL 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, erred to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and stic and foreign, in and to the inventions and discoveries in the above-identified invention including the right AEE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent ons and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own al/application number and filing date of the application to receive Letters Patent herein: Serial No.  Filing Date  June 13, 2014  June 14, 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 applications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, and reissue applications.
including appli organizations,	agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, ications 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 essary to secure thereto the rights herein sold, assigned and set over.
And I hereby n	epresent and warrant that I have not granted any rights inconsistent with the rights granted herein.
	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine at of not more than five (5) years or both.
	E OF INVENTOR
	Patrick James Blanchard Date: 6/11/14
Signature:	144_>
NOTES AND	CONTROL OF THE CONTRO
	cation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. If declaration form for each additional inventor.

## 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	ion	Apparatus and Methods for Vehicle Structural or Semi-Structural Component Assembly Enabling Tunable Deceleration Characteristics
This declaration i	is direct	ed to:
Ø	The all	tached application, or I States application or PCT international application number filed on
The above-identi	fied app	plication was made or authorized to be made by me.
I hereby state the including the claim		ve reviewed and understand the contents of the specification in the above-identified application,
I believe that I an	n the or	iginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-p	art apr	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for offications, material information which became available between the filing date of the prior mal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL of the State of I hereinafter referi interest, domestic of the ASSIGNE for the invention name or names, ( insert the serial 14/303,725 ASSIGNEE, its applications, in a	TECH Delawared to a crand for E, its s s and d or in my/application to the plication of the plication.	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, is 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 uccessors, 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 attorn number and filing date of the application to receive Letters Patent herein: Serial No.  ———————————————————————————————————
including applica organizations, an	ations f id to pe	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 rform 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 rep	resent a	and warrant that I have not granted any rights inconsistent with the rights granted herein.
I hereby acknow	ledge th	nat 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		VENTOR
	ilen Sn	
Signature:	A	u Gruž
Note: An Applica	tion Dat lectarati	in Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.

## 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										or Semi-Structural Characteristics
This declaration	is directed	to:							*********	
	United St	hed applicatio ates applicatio	on or PC					<del>sijaasasasaa</del>	žinosasas	
The above-identi	fied applic	ation was mad	le or aut	borized to l	be made	by me.				
I hereby state the including the clai		reviewed and	underst	and the co	ntents c	f the spe	eificatio	n in i	the ab	ove-identified application,
I believe that I ar	n the origi	ıal inventor or	r an orig	inal joint is	ventor	of a claim	ed inver	ition i	n the	application.
continuation-in-p	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.									
FORD GLOBAL of the State of I bereinafter refer interest, domestic of the ASSIGNE for the invention name or names, insert the serial 14/303,725  ASSIGNEE, its applications, in a including all apreexaminations a And I hereby ag including application of the state of	TECHNO Delaware, red to as t c and force iE, its success and discoor in my n /application successor and to the plications nd reissue ree for my ations for	DLOGIES, LL. having its prinche ASSIGNES gn, in and to to the tessors, assign overies in any ame, at its or an number and prinches and claiming ben applications.  Telfers Patent rm any and al	C, a For neipal p E, its su the inverse or othe and all their ele id filing tother I discove iefit of  6, succes of any I acts w	d Motor Collace of businessors, a nations and of er legal reproduction (and to date of the filing and all kin hich the A	ompany siness as assigns of discover or esenta entities. I hereby the appresentative and all date he as or ot ds and SSIGNI	subsidiar Dearbor of other I ies in the tives to the and interp authoriz lication t countries ereof, con ther legal in any an	y, organ n, Coun igal repi above-i ake app overnme e the AS o receiv and I h ights of i, entitie itinuatio	ized a ty of resent dentil dication ental SSIG! we Le nereby f priors and ens, contative untries	med ex Wayn antives fied in ons an organ EE o otters sell, rity, inter ontinu es to o s, enti	t, assign and set over unto isting by virtue of the laws ne, and State of Michigan, the entire right, title and evention including the right of to receive Letters Patent izations, in its or their own r ASSIGNEE's attorney to Patent herein: Serial No. assign and set over to the including any provisional governmental organizations lations-in-part, divisionals, execute any and all papers, ties and intergovernmental other legal representatives
And I hereby rep	resent and	warrant that I	have no	ot granted a	ny right	s inconsis	tent witl	h the i	rights	granted herein.
I hereby acknow or imprisonment					in this	declaratio	n is pur	nishat	sle un	der 18 U.S.C. 1001 by fine
LEGAL NAME	data and the state of	45							Z.	1a 114
	1ichael Ca	covic				***********	Date	i u		1.3 f. 5. 1
Signature:	<u> COM</u>	e Corr	garaga and	Marie Commence	· · · · · · · · · · · · · · · · · · ·	********	************		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	······
Note: An Applica	A CONTRACTOR OF THE STATE OF TH	to the first that the second of the second o		4.0	cluding r	aming the	entire in	ventiv	e entit	y, must accompany this form.

PATENT REEL: 033097 FRAME: 0557

RECORDED: 06/13/2014