PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jeffrey Eliot Chottiner	10/02/2012
Rick L. Williams	10/02/2012
John Edward Brevick	10/17/2012
Gregory Michael Pietron	10/02/2012
Matthew David Hammond	10/02/2012

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:	13654234

CORRESPONDENCE DATA

502098258

Fax Number: 5034594142

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

503-459-4141 Phone: Email: cohen@ahmrt.com

Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE, LLP

Address Line 1: 806 S.W. BROADWAY, SUITE 600 Address Line 4: PORTLAND, OREGON 97205

ATTORNEY DOCKET NUMBER: 83257137

NAME OF SUBMITTER: Liana Cohen

PATENT

REEL: 029147 FRAME: 0390

Total Attachments: 5

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Attorney Docket Number

83257137

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 Inver	ntion BALANCING A PENDULUM-ABSORBER CRANKSHAFT		
This declaration	n is directed to:		
X	The attached application, or		
	United States application or PCT international application numberfiled on		
The above-iden	stified application was made or authorized to be made by me.		
I hereby state the claims.	hat I have reviewed and understand the contents of the specification in the above-identified application, including the		
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 application and PCT international filing date of the continuation-in-part application.		
GLOBAL TEC Delaware, having ASSIGNEE, its the inventions a other legal reproduction of the countries, entiting (and I hereby a application to real and I hereby selling any intergovernments part, divisionals	HNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of ing its principal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to and discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or resentatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all less and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the eccive Letters Patent herein: Serial No. $\frac{13/654,234}{554,234}$, Filing Date October 17, 2012), II, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, provisional applications, in and to the inventions and discoveries in any and all countries, entities and tal organizations including all applications claiming benefit of the filing date hereof, continuations, continuations, reexaminations and reissue applications.		
applications for perform any and	gree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to a all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure s 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.		
imprisonment of	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or f not more than five (5) years or both. OF INVENTOR		
Inventor:			
Signature:	May Elit Orther 10/2/12		
Note: An Applica	ation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an		

Title of Invention

additional declaration form for each additional inventor.

Attorney Docket Number

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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)

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The above-ident	ified application was made or authorized to be made by me.		
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I believe that I a	m the original inventor or an original joint inventor of a claimed invention in the application.		
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GLOBAL TECH Delaware, havin ASSIGNEE, its the inventions a other legal repr countries, entition (and I hereby a application to re and I hereby sel including any intergovernment	employment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD HNOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of ag its principal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to and discoveries in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or resentatives to make applications and to receive Letters Patent for the inventions and discoveries in any and all es and intergovernmental organizations, in its or their own name or names, or in my name, at its or their election authorize the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the accive Letters Patent herein: Serial No. 13/654, 234 , Filing Date October 17, 2012). II, assign and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, provisional applications, in and to the inventions and discoveries in any and all countries, entities and tal organizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in, 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	OF INVENTOR		
Inventor:	Rick L. Williams Date: 10/2/2012		
Signature:	Nin Luine		
Note: An Amolic	eation Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an		

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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 BALANCING A PENDULUM-ABSORBER CRANKSHAFT			
This declaration is dir	rected to:		
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□ Un —	United States application or PCT international application numberfiled on		
The above-identified	application was made or authorized to be made by me.		
I hereby state that I h claims.	ave reviewed and understand the contents of the specification in the above-identified application, including the		
I believe that I am the	e original inventor or an original joint inventor of a claimed invention in the application.		
continuation-in-part a	duty 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 application and 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. 13/654,234, Filing Date October 17, 2012, 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 OF I			
Inventor: <u>Jo</u>	ohn Edward Brevick Date: 10/17/12		
Signature:	Jan Edward Brevile		
Note: An Application	Data Sheet (PTO/SB/14 or equivalent), including naming the emire inventive entity, must accompany this form. Use an		

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Attorney Docket Number	83257137

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)

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	States application or PCT international application number filed on		
The above-identified app	olication 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 or	iginal 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.			
GLOBAL TECHNOLOG Delaware, having its print ASSIGNEE, its successor the inventions and discontinuous entities and in the countries, entities and in the countries application to receive Learned I hereby sell, assign including any provision intergovernmental organizant, divisionals, reexamined.	ment agreement heretofore made or by contractual obligation, I do sell, assign and set over unto FORD GIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws of the State of neipal place of business at Dearborn, County of Wayne, and State of Michigan, hereinafter referred to as the ors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to overies in the above-identified invention including the right of the ASSIGNEE, its successors, assigns or res to make applications and to receive Letters Patent for the inventions and discoveries in any and all intergovernmental organizations, in its or their own name or names, or in my name, at its or their election the ASSIGNEE or ASSIGNEE's attorney to insert the serial/application number and filing date of the etters Patent herein: Serial No. 13/654, 234 , Filing Date October 17, 2012), and set over to the ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority, nall applications, in and to the inventions and discoveries in any and all countries, entities and inizations including all applications claiming benefit of the filing date hereof, continuations, continuations-in-inations 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 OF INV			
Inventor: Grea	gory Michael Pietron Date: 206+2017		
Signature:	City (PTO/ED/II) and the production of the second of the s		
	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an for each additional inventor.		

Title of Invention

RECORDED: 10/17/2012

Attorney Docket Nun	nber
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applications for I perform any and	ee for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including etters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations, and to all acts which the ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure 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.
imprisonment of	riedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or not more than five (5) years or both.
LEGAL NAME	OF INVENTOR
Inventor:	Matthew David Hammond Date: 10-2-29/2
Signature:	ath D. ferre
	tion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an ion form for each additional inventor.