#### 502532583 10/15/2013

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2577893

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
BRAD ALAN BOYER	08/09/2013
JULIA HELEN BUCKLAND	10/01/2013
STEPHEN LEE COOPER	09/30/2013
JEFFREY ALLEN DOERING	09/30/2013
BARBARA WESTRATE	09/09/2013
KEITH MICHAEL PLAGENS	09/26/2013

#### 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:	14053540

### **CORRESPONDENCE DATA**

Fax Number: (503)459-4142 503-459-4141 Phone: Email: fulton@ahmrt.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE, LLP

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

ATTORNEY DOCKET NUMBER: 83342985

**PATENT** 

**REEL: 031405 FRAME: 0574** 

NAME OF SUBMITTER:	MAXFIELD FULTON	
Signature:	/Maxfield Fulton/	
Date:	10/15/2013	
Total Attachments: 6 source=Executed Assignment 83342985#page1.tif source=Executed Assignment 83342985#page2.tif source=Executed Assignment 83342985#page3.tif source=Executed Assignment 83342985#page4.tif source=Executed Assignment 83342985#page5.tif source=Executed Assignment 83342985#page6.tif		

Attorney Docket Number	83342985	
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Title of Invention	METHOD AND SYSTEM FOR BINARY FLOW TURBINE CONTROL		
This declaration is directed to:			
	tached application, or I States application or PCT international application number filed on		
The above-identified app	lication was made or authorized to be made by me.		
I hereby state that I have including the claims.	ve 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.		
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. 14/053,540 , Filing Date October 14, 2013 ), 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 a	and warrant that I have not granted any rights inconsistent with the rights granted herein.		
	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	VENTOR $\sqrt{a/x_{a+1}}$		
Inventor: Brad Ala			
Signature:			
Note: An Armshrithen Do	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		
	on form for each additional inventor		

Attorney Docket Number	83342985

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Pursuant to my employment agreement heretotore 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. 14/053,540 , Filing Date October 14, 2013 ), 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 INV	ENTOR		
	en Buckland		
Signature:			
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. on form for each additional inventor.		

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FORD GLOBAL TECHNO of the State of Delaware, hereinafter referred to as t interest, domestic and fore of the ASSIGNEE, its successor to the inventions and discename or names, or in my referred to as the serial application of the serial applications, in and to the	ont agreement heretofore made or by contractual obligation, I do sell, assign and set over unto OLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws having its principal place of business at Dearborn, County of Wayne, and State of Michigan, the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and ign, in and to the inventions and discoveries in the above-identified invention including the right cessors, assigns or other legal representatives to make applications and to receive Letters Patent coveries in any and all countries, entities and intergovernmental organizations, in its or their own name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to on number and filing date of the application to receive Letters Patent herein: Serial No. , Filing Date October 14, 2013 ), and I hereby sell, assign and set over to the rs, assigns or other legal representatives, all rights of priority, including any provisional inventions and discoveries in any and all countries, entities and intergovernmental organizations claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, 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	I warrant that I have not granted any rights inconsistent with the rights granted herein.		
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LEGAL NAME OF INVE	NTOR		
	If I am		
Signature:			
	Sheet (PTQXB44 or equivalent), including naming the entire inventive entity, must accompany this form, form for each additional inventor.		

Attorney Docket Number	Sonnannes
ABORREY DOCKSUNTROOF	{ 03394333

Title of Invention METHOD AND SYSTEM FOR BINARY FLOW TURBINE CONTROL

This declaration is directed to:
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. 14/053,540, Filing Date October 14, 2013, 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 INVENTOR Inventor: Jeffrey Allen Doering)  Date: 30 5 297 2013
Signature:
Note: An Application Data Sheet (PTC/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.  Use an additional declaration form for each additional inventor.
CON SECONDECIMENT MALAGORITANIS RESIST DR. COMPRENDATE DEVENOUS.

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Attorney Docket Number	83342985

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LEGAL NAME OF INV		
Inventor: Barbara	Westrate Date: 9/9/13	
Signature: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	All Million and the second and the s	
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LEGAL NAME OF INVENTOR Inventor: Keith Michael Plagens Date: 7/2/20/3
Signature: Litte Villed Page
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.

PATENT REEL: 031405 FRAME: 0581

**RECORDED: 10/15/2013**