PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Harold Huimin Sun	05/31/2013
Liangjun Hu	05/31/2013
Ben Zhao	05/31/2013
Dave R. Hanna	05/31/2013

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:	13915452

CORRESPONDENCE DATA

Fax Number: 5034594142

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

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

Correspondent Name: ALLEMAN HALL MCCOY RUSSELL & TUTTLE, LLP

Address Line 1: 806 SW Broadway, Suite 600 Address Line 4: Portland, OREGON 97205

Signature:	/Liana Cohen/
NAME OF SUBMITTER:	Liana Cohen
ATTORNEY DOCKET NUMBER:	83365083

502380529 REEL: 030590 FRAME: 0952

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Date:	06/11/2013
Total Attachments: 4 source=Executed Assignment 83365083#pa source=Executed Assignment 83365083#pa source=Executed Assignment 83365083#pa source=Executed Assignment 83365083#pa	age2.tif age3.tif

83365083

little of invention	VARIABLE GEOMETRY TURBINE VANE
This declaration is direct	ed to:
United	tached application, or 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.	e reviewed and understand the contents of the specification in the above-identified application,
I believe that I am the ori	ginal inventor or an original joint inventor of a claimed invention in the application.
continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for fications, material information which became available between the filing date of the prior nal or PCT international filing date of the continuation-in-part application.
FORD GLOBAL TECHT of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its sufor the inventions and diname or names, or in my insert the serial/applicat 13/915,452 ASSIGNEE, its success applications, in and to the	NOLOGIES, LLC, a Ford Motor Company subsidiary, organized and existing by virtue of the laws by 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 reign, in and to the inventions and discoveries in the above-identified invention including the right accessors, assigns or other legal representatives to make applications and to receive Letters Patent accoveries 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 ion number and filing date of the application to receive Letters Patent herein: Serial No. —, Filing Date
including applications fo organizations, and to per	nyself, my heirs, successors, assigns or other legal representatives to execute any and all papers, r Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental form any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ecure thereto the rights herein sold, assigned and set over.
And I hereby represent ar	nd warrant that I have not granted any rights inconsistent with the rights granted herein.
or imprisonment of not m	at any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine ore than five (5) years or both.
LEGAL NAME OF INVI	
Signature:	Juli Lin
Million An American School	Show (DTO) SD/14 as a solid to A St. (L. E
Use an additional declaration	Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, a form for each additional inventor.

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Attorney Docket Number	83365083		

Title of Invention	VARIABLE GEOMETRY	TURBINE VANE	
This declaration is direct	ed to:	· · · · · · · · · · · · · · · · · · ·	
☐ United	tached application, or States application or PCT internation filed on	al application number	·
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continuation-in-part app	disclose information which is mater lications, material information which all or PCT international filing date of	ch became available be	fined in 37 C.F.R. 1.56, including for stween the filing date of the prior application.
of the State of Delaware hereinafter referred to as interest, domestic and for of the ASSIGNEE, its su for the inventions and dis name or names, or in my insert the serial/applicat 13/915,452 ASSIGNEE, its success applications, in and to the including all application reexaminations and reissue. And I hereby agree for mereinafter the state of the including all application and reissue.	NOLOGIES, LLC, a Ford Motor Come, having its principal place of busing the ASSIGNEE, its successors, assigneign, in and to the inventions and discoveries in any and all countries, entoname, at its or their election (and I have a filing better than the property of the second of the property of the second of the filing date applications.	pany subsidiary, organizess at Dearborn, County igns or other legal representatives in the above-idsentatives to make application and intergovernment in the application to receive 13	reby sell, assign and set over to the priority, including any provisional and intergovernmental organizations, continuations-in-part, divisionals, atives to execute any and all papers
organizations, and to perf	Letters Patent of any and all kinds form any and all acts which the ASSI cure thereto the rights herein sold, ass	IGNEE, its successors, a	tries, entities and intergovernmental issigns or other legal representatives
And I hereby represent an	d warrant that I have not granted any	rights inconsistent with t	he rights granted herein.
I hereby acknowledge that or imprisonment of not me	t any willful false statement made in ore than five (5) years or both.	this declaration is punis	shable under 18 U.S.C. 1001 by fine
LEGAL NAME OF INVE			C/xx x x 7
Inventor: <u>Liangiun I</u>	<u> Iu</u>	Date:	<u> </u>
Signature:	inne Ma		
And the second s	***************************************	***************************************	
Note: An Application Data	Sheet (PTO/SB/14 or equivalent), includ	ing naming the entire inve-	ntive entity, must accompany this form.

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) Afformasi	Docket Number	83365083	
1 TARUSTON	LUCACE HUISOG	+ 000000000	

Title of Invention	VARIABLE GEOMETRY TURBINE VANE
This declaration is dir	ected to:
	e attached application, or ited States application or PCT international application number filed on
The above-identified i	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 a	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.
of the State of Delaw hereinafter referred to interest, domestic and of the ASSIGNEE, its for the inventions and name or names, or in insert the serial/applitus 13/915,452 ASSIGNEE, its succapplications, in and to including all applicat reexaminations and reincluding applications organizations, and to properly applications organizations.	Object of the laws 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. —, Filing DateJune 11, 2013), and I hereby sell, assign and set over to the essors, assigns or other legal representatives, all rights of priority, including any provisional the inventions and discoveries in any and all countries, entities and intergovernmental organizations ions claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, issue applications. The 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 to execute 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 imprisonment 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: Ben Zh	
Inventor: Ben Zh Signature: Ben	ao Date: 05/31/2013 MAO
Note: An Application D Use an additional declara-	ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. tion form for each additional inventor.

N		
Attorney Docket Number	83365083	

Title of Invention	VARIABLE GEOMETRY TURBINE VANE	
This declaration is directed to:		
	e attached application, or ited States 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. 13/915,452 , Filing Date June 11, 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 IN	(VENTOR	
Inventor: Dave F	C Hanna Date:	
Signature:	LLI KÜÜLLER	
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: 030590 FRAME: 0957

RECORDED: 06/11/2013