10/28/2015 503543744

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3590371

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN EDWARD BREVICK	10/21/2015
YUJI FUJII	10/26/2015
GREGORY MICHAEL PIETRON	10/22/2015
GREGORY DANIEL GOLESKI	10/27/2015
JEFFREY EDWARD MAURER	10/22/2015
MARK EDWARD URBANIAK	10/27/2015

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:	14924275

CORRESPONDENCE DATA

Fax Number: (248)358-3351

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: 248-358-4400

Email: hwillis@brookskushman.com **Correspondent Name:** BROOKS KUSHMAN P.C. Address Line 1: 1000 TOWN CENTER

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	83586288
NAME OF SUBMITTER:	KYLE G. KONZ
SIGNATURE:	/Kyle G. Konz/
DATE SIGNED:	10/28/2015

Total Attachments: 6 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif

Please direct all correspondence to: 28395

Attorney Docket Number 83586288

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)

THE OF THYER	TRANSMISSION OUTPUT SHAFT	
This declaration is directed to:		
x	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	nat I have reviewed and understand the contents of the specification in the above-identified application, ims.	
I believe that I ar	n the original inventor or an original joint inventor of a claimed invention in the application.	
commutation-in-p	e 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 I hereinafter referrinterest, domestic of the ASSIGNE for the invention name or names, coinsert the serial, 14/924,275 ASSIGNEE, its applications, in a including all application of the state of the serial, 14/924,275	employment 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 Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, and to as the ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and cand 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 and discoveries in any and all countries, entities and intergovernmental organizations, in its or their own for in my name, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to provide a successors, assigns or other legal representatives, 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 oblications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, and reissue applications.	
organizations, and	ree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, tions for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental d to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ary to secure thereto the rights herein sold, assigned and set over.	
And I hereby repr	resent and warrant that I have not granted any rights inconsistent with the rights granted herein.	
or imprisonment o	edge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine of not more than five (5) years or both.	
LEGAL NAME (17/2/ a	
Inventor: <u>Jo</u> Signature:	bn Edward Brevick Date: 1012112015 Date: 1012112015	
Note: An Applicat Use an additional de	ion Data Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

Attorney Docket Number	83586288

little of Invention	TRANSMISSION OUTPUT SHAFT			
This declaration is directed to:				
☐ United	ttached application, or d States application or PCT international application number			
The above-identified app	plication was made or authorized to be made by me.			
I hereby state that I har including the claims.	we 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.			
continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for olications, 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 TECH of the State of Delawar hereinafter referred to a interest, domestic and for of the ASSIGNEE, its sfor the inventions and drame or names, or in minsert the serial/applications. ASSIGNEE, its success applications, in and to the including all applications reexaminations and reiss. And I hereby agree for	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 preign, 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 iscoveries in any and all countries, entities and intergovernmental organizations, in its or their own anne, at its or their election (and I hereby authorize the ASSIGNEE or ASSIGNEE's attorney to the strong the successors and filing date of the application to receive Letters Patent herein: Serial No. —, Filing Date October 27, 2015 ——), and I hereby sell, assign and set over to the sors, assigns or other legal representatives, all rights of priority, including any provisional me inventions and discoveries in any and all countries, entities and intergovernmental organizations are claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, are applications. In the provisional and all papers, or Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental organizations.			
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	nd warrant that I have not granted any rights inconsistent with the rights granted herein.			
	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 OF INV				
Inventor: Yui Fu	Date: $\sqrt{1-16-2015}$			
Signature:				
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.			

Docket N			

. X	The attached application, or United States application or PCT international application number filed on
The above-iden	tified application was made or authorized to be made by me.
I hereby state to including the cla	that I have reviewed and understand the contents of the specification in the above-identified application, aims.
I believe that I a	um the original inventor or an original joint inventor of a claimed invention in the application.
continuation-in-	ne 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 I hereinafter refer	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
of the ASSIGNE or the invention name or names, on sert the serial 14/924,275 ASSIGNEE, its pplications, in an acluding all appreciations of the serial properties.	c and foreign, in and to the inventions and discoveries in the above-identified invention including the right it, 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 application number and filing date of the application to receive Letters Patent herein: Serial No. Filing Date October 27, 2015), 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 of claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals, and reissue applications.
of the ASSIGNE or the invention tame or names, on the serial 14/924,275 ASSIGNEE, its pplications, in an ecluding all apprexaminations are the serial apprexaminations are the serial apprexaminations are the serial appreciations, and I hereby agricultuding applications, and	iE, its successors, assigns or other legal representatives to make applications and to receive Letters Patent s 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. Filing Date October 27, 2015, and I hereby sell, assign and set over to the successors, assigns or other legal representatives, all rights of priority, including any provisional of the inventions and discoveries in any and all countries, entities and intergovernmental organizations oblications claiming benefit of the filing date hereof, continuations, continuations-in-part, divisionals.
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of the ASSIGNE or the invention name or names, on the serial 14/924,275 ASSIGNEE, its pplications, in an eluding all apprexaminations are cluding applications, and ay deem necessarial I hereby represented in the property of the property acknowle	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. Filing Date October 27, 2015), 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 of clications claiming benefit of the filing date hereof, continuations, continuations—in-part, divisionals, and reissue applications. The provided Hereoffel of the filing date hereoffel or myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, fions for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives are secure thereto the rights herein sold, assigned and set over. The secure thereto the rights herein sold, assigned and set over. The secure that I have not granted any rights inconsistent with the rights granted herein. The secure that I have not granted any rights inconsistent with the rights granted herein.

Attance Deal AND I	03.50.60.00
Attorney Docket Number	83586288

Title of Invention TRANSMISSION OUTPUT SHAFT
This declaration is directed to:
X The attached application, or 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 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. 14/924,275 , 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: Gregory Daniel Golfeki 31/1 Date: 10/27/15
Signature: Date: 1777
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.

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including applications, and	e for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, one for Letters Patent of any and all kinds and in any and all countries, entities and intergovernmental to perform any and all acts which the ASSIGNEE, its successors, assigns or other legal representatives ry to secure thereto the rights herein sold, assigned and set over.		
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or imprisonment of	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine for more than five (5) years or both.		
LEGAL NAME O	FINVENTOR		
Inventor: <u>Jef</u>	frey Edward Maurer Date: Oct 77, 2015		
Signature: Steven Meuron			
	on Data Sheet PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

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Attorney Docket Number	83586288

litie of invention	TRANSMISSION OUTPUT SHAFT	
This declaration is dire	cted to:	
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The above-identified ap	pplication was made or authorized to be made by me.	
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FORD GLOBAL TECH of the State of Delawa hereinafter referred to interest, domestic and for the ASSIGNEE, its for the inventions and coname or names, or in minsert the serial/applications, in and to tincluding all applications and reise reexaminations and reise the state of the		
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.		
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LEGAL NAME OF IN	VENTOR 1 1 27 21	
Inventor: Mark Ed	Date: 10-2 f - 2018	
The state of the s		
Note: An Application Da	ta Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.	

PATENT REEL: 036902 FRAME: 0828

**RECORDED: 10/28/2015**