PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3553694

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRENT A. HALL	09/28/2015
CHRISTOPHER WILLIAM NEWMAN	09/28/2015
KATHERINE JANE BREWER	09/28/2015

RECEIVING PARTY DATA

Name:	FORD GLOBAL TECHNOLOGIES, LLC	
Street Address:	330 TOWN CENTER DRIVE, SUITE 800	
City:	DEARBORN	
State/Country:	MICHIGAN	
Postal Code:	48126	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14873487

CORRESPONDENCE DATA

Fax Number: (703)684-8075

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: 703-684-8007

Email: uspatentsdearborn@leclairryan.com **Correspondent Name:** LECLAIRRYAN (FORD GLOBAL)

Address Line 1: 2318 MILL ROAD Address Line 2: **SUITE 1100**

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER: 48259.3259/83575629	
NAME OF SUBMITTER:	THOMAS T. MOGA
SIGNATURE:	/Thomas T. Moga/
DATE SIGNED:	10/02/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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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	EXPANSION SHEAR PIN FOR USE WITH THREAD-FORMIN	IG SCREW
This declaration is directed	cted to:	
United	attached application, or ed States application or PCT international application number filed on	
The above-identified app	oplication was made or authorized to be made by me,	
I hereby state that I have including the claims.	ave reviewed and understand the contents of the specification in the above-identifi	ied application,
I believe that I am the ori	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.		
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: Brent A.	. Hall Date: 28 Serr 2013	<u> </u>
Signature: Zeem		
	ata Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must acco	mpany this form.

Attorney Docket Number	48259,3259/83575629

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)

This declaration	n is directed to:		
	The attached application, or United States application or PCT internationsfiled on	al application number	
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 contellaims.	ents of the specification in the above-id	
I believe that I	am the original inventor or an original joint inve	entor of a claimed invention in the applica	ation.
continuation-in	the duty to disclose information which is materi i-part applications, material information which I the national or PCT international filing date of	h became available between the filin	t. 1.56, including for g date of the prior
FORD GLOBA of the State of hereinafter refe interest, domes of the ASSIGN for the inventioname or names	y employment agreement heretofore made or ball TECHNOLOGIES, LLC, a Ford Motor Combel Delaware, having its principal place of busing erred to as the ASSIGNEE, its successors, assistic and foreign, in and to the inventions and displet, its successors, assigns or other legal represons and discoveries in any and all countries, ento, or in my name, at its or their election (and I hal/application number and filing date of the Filing Date	pany subsidiary, organized and existing ess at Dearborn, County of Wayne, and igns or other legal representatives, the of acoveries in the above-identified invention sentatives to make applications and to relities and intergovernmental organization acreby authorize the ASSIGNEE or ASS	by virtue of the laws I State of Michigan, entire right, title and in including the right eceive Letters Patent is, in its or their own IGNEE's attorney to herein: Serial No.
applications, in including all a	ts successors, assigns or other legal represe n and to the inventions and discoveries in any ar applications claiming benefit of the filing da s and reissue applications.	intatives, all rights of priority, includ- ind all countries, entities and intergovern	ing any provisional mental organizations
including appli	agree for myself, my heirs, successors, assigns ications for Letters Patent of any and all kinds and to perform any and all acts which the ASS essary to secure thereto the rights herein sold, as:	and in any and all countries, entities ar IGNEE, its successors, assigns or other	id intergovernmental
And I hereby re	epresent and warrant that I have not granted any	rights inconsistent with the rights grante	d herein.
I hereby ackno	owledge that any willful false statement made in nt of not more than five (5) years or both.		
	E OF INVENTOR		
Inventor:	Christopher William Newman	Date: 1997 1997 1997 1997 1997 1997 1997 199	
	PI NO SON	28 Sel 1	

Please direct all correspondence to: 67318

Attorney Docket Number	48259.3259/83575629

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)

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This declaration is directed to:			
United	tached application, or I States application or PCT international application number filed on		
The above-identified app	elication 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.		
continuation-in-part app	o disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for discations, material information which became available between the filing date of the prior nal 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.			
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 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	1 a 1 a 1 a 1 a 1 a 1 a 1 a 1 a 1 a 1 a		
1	2 Jane Brewer Date: 4/25/15		
	a Sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, on form for each additional inventor.		

PATENT
RECORDED: 10/02/2015 REEL: 036714 FRAME: 0955