04/07/2017 504312913

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4359595

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ADAM SALEH	03/28/2017
JUSTIN CLARK	03/13/2017
DREW HILTY	03/13/2017
JEREMY VANNI	03/13/2017
MATTHEW PAYNE	03/13/2017
LARRY CHAD BOIGEGRAIN	03/13/2017

RECEIVING PARTY DATA

Name:	SCHAEFFLER TECHNOLOGIES AG & CO. KG
Street Address: INDUSTRIESTRASSE 1-3	
City: HERZOGENAURACH	
State/Country: GERMANY	
Postal Code:	91074

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	15482627				

CORRESPONDENCE DATA

Fax Number: (212)736-1940

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: 2127361940

CMEHALL@DDKPATENT.COM Email:

Correspondent Name: DAVIDSON, DAVIDSON & KAPPEL, LLC

Address Line 1: 589 8TH AVENUE Address Line 2: 16TH FLOOR

Address Line 4: NEW YORK, NEW YORK 10018

ATTORNEY DOCKET NUMBER:	588.1223
NAME OF SUBMITTER:	CLINT R. MEHALL
SIGNATURE:	/Clint R. Mehall/
DATE SIGNED:	04/07/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 6 source=5881223ExAssignDec07apr17#page1.tif source=5881223ExAssignDec07apr17#page2.tif source=5881223ExAssignDec07apr17#page3.tif source=5881223ExAssignDec07apr17#page4.tif

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source=5881223ExAssignDec07apr17#page6.tif

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Inver		ORQUE CONVERTER INCLUD LUTCH ASSEMBLY	NG TURBINE PISTO?	AND MULTI-PLATE		
Attorney Doc	cket No.:	588.1223				
This assignment and declaration are directed to (check one): the attached application; the application identified by the attorney docket no, and title of invention given above; United States Application or PCT International Application No,, filed						
		ASSIGNM	ENT			
		onsideration, the receipt and sufficient old and assigned, and hereby sell and		cknowledged, as a below-		
Name of Assi Address of A		Schaeffler Technologies AG & Co. Industriestraße 1-3, Herzogenauraci				
(hereinafter ASSIGNEE) all right, title, and interest in and to the above-identified invention and United States patent application, including: (i) any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted; (ii) all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents, utility models, designs or other rights may be granted; and (iii) all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents, utility models, designs or other rights may be granted.						
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.						
I warrant and covenant that I have the right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.						
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States and any and all patents, utility models, designs or other rights that may be granted in the United States or of any country or countries foreign to the United States, for said invention.						
<u>DECLARATION</u>						
As a below-named inventor, I hereby declare that:						
The above-identified application was made or authorized to be made by me.						
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.						
I hereby acknowledge that any willful fulse 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.						
Signature: Josef Jol						
Inventor:	Justin CL		Date: 🔞	-13-2017		

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Invention: TORQUE CONVERTER INCLUDING TURBINE PISTON AND MULTI-PLATE CLUTCH ASSEMBLY						
Attorney Docket No.: 588/1223						
This assignment and declaration are directed to (check one): the attached application; the application identified by the attorney docket no. and title of invention given above; United States Application or PCT International Application No, filed						
<u>ASSIGNMENT</u>						
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and hereby sell and assign, to:						
Name of Assignee: Schaeffler Technologies AG & Co. KG Address of Assignee: Industriestraße 1-3, Herzogenaurach, Germany 91074						
(hereinafter ASSIGNEE) all right, title, and interest in and to the above-identified invention and United States patent application, including: (i) any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted; (ii) all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents, utility models, designs or other rights may be granted; and (iii) all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents, utility models, designs or other rights may be granted.						
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.						
I warrant and covenant that I have the right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith.						
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assign or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States and any and all patents, utility models, designs or other rights that may be granted in the United States or of any country or countries foreign to the United States, for said invention.						
<u>DECLARATION</u>						
As a below-named inventor, I hereby declare that:						
The above-identified application was made or authorized to be made by me.						
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.						
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. Signature:						
Inventor: Drew HILTY Date: 3//3/7*/7						

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

TORQUE CONVERTER INCLUDING TURBINE PISTON AND MULTI-PLATE Title of Invention: CLUTCH ASSEMBLY Attorney Docket No.: 588.1223 This assignment and declaration are directed to (check one): the attached application; the application identified by the attorney docket no. and title of invention given above; United States Application or PCT International Application No. filed ASSIGNMENT For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a belownamed inventor I have sold and assigned, and hereby sell and assign, to: Name of Assignee: Schaeffler Technologies AG & Co. KG Address of Assignee: Industriestraße 1-3, Herzogenaurach, Germany 91074 (hereinafter ASSIGNEE) all right, title, and interest in and to the above-identified invention and United States patent application, including: (i) any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted; (ii) all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents, utility models, designs or other rights may be granted; and (iii) all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents, utility models, designs or other rights may be granted. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith. I warrant and covenant that I have the right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith, I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns. or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States and any and all patents, utility models, designs or other rights that may be granted in the United States or of any country or countries foreign to the United States, for said invention, DECLARATION As a below-named inventor, I hereby declare that: The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. 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. Signature: Inventor: Matthew PAYNE

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

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Title of Invention:	TORQUE CONVERTER INCLUDING TURBINE PISTON AND MULTI-PLATE CLUTCH ASSEMBLY					
Attorney Docket No.	: 588.1223					
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	ASSIGNMENT					
	e consideration, the receipt and sufficiency of which are hereby acknowledged, as a below- e sold and assigned, and hereby sell and assign, to:					
Name of Assignee: Address of Assignee:	Schaeffler Technologies AG & Co. KG Industriestraße 1-3, Herzogenaurach, Germany 91074					
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	Chad BOIGEGRAPY Date: 3//3//7					

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Title of Invention: TORQUE CONVERTER INCLUDING TURBINE PISTON AND MULTI-P CLUTCH ASSEMBLY						ON AND MULTI-PLATE			
	Attorney Docket No.	.: 588.1	223						
This assignment and declaration are directed to (check one): the attached application; the application identified by the attorney docket no. and title of invention given above United States Application or PCT International Application No, filed									
				<u>ASSI</u>	GNMENT				
	For good and valuable named inventor I have						hereby	y acknowledged, as a below-	
	Name of Assignee: Address of Assignee		effler Techno triestraße 1-3			many 9107	74		
(hereinafter ASSIGNEE) all right, title, and interest in and to the above-identified invention and United State patent application, including: (i) any and all divisions or continuations thereof, and in and to any and all Lett Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the further of the term or terms for which any and all such Letters Patent may be granted; (ii) all applications for patents utility models, and designs which may hereafter be filed for said invention in any country or countries foreign the United States, together with the right to file such applications and the right to claim for the same the prior rights derived from said United States application under the Patent Laws of the United States, the Internation Convention for the Protection of Industrial Property, or any other international agreement or the domestic law the country in which any such application is filed, as may be applicable, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such patents, models, designs or other rights may be granted; and (iii) all forms of industrial property protection, including without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues the to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for verms for the united States and all extensions, renewals and reissues the tobe held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for verms for verms for the united States and all extensions, renewals and reissues the tobe held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms						in and to any and all Letters ion, including any and all ssors, or assigns to the full end applications for patents, ountry or countries foreign to aim for the same the priority sed States, the International ement or the domestic laws of and enjoyed by said any and all such patents, utiliterty protection, including, may be granted for said, renewals and reissues thereo	f ty of,		
								d and assigned and that I have	e
	assigns all information deliver any papers, ma necessary or desirable invention, to said appl may be granted theref or to assist said ASSIG Letters Patent of the U	n known to ake all right by said A lication in for or there GNEE, its	to me relating thtful oaths, the ASSIGNEE, acluding division, includir a successors, ttes and any	g to said invitestify in any its successor sind cong reissues of legal represent and all pate	vention or pay legal procurs, legal reportinuations or extension sentatives, outs, utility r	atent applicedings, and aresentative thereof and s, in said A r assigns in nodels, des	cation and perfess, or and to an ASSIGI nobtains of the controllers of	and that I will execute and form all other lawful acts assigns to perfect title to said my and all Letters Patent that NEE, its successors, or assigning, reissuing, or enforcing or other rights that may be	·S,
	any and all such patents, utility models, designs or other rights may be granted. I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith. I warrant and covenant that I have the right to sell and assign the interests herein sold and assigned and that I have not executed and will not execute any document or instrument in conflict herewith. I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States and any and all patents, utility models, designs or other rights that may be granted in the United States or of any country or countries foreign to the United States, for said invention. DECLARATION As a below-named inventor, I hereby declare that:								
		•	•						
	The above-identified a	• •				•			
		-						rention in the application.	
	§ 1001 by fine or impr						ı is pur	nishable under 18 U.S.C.	
	Signature:	Im	fell						
	Inventor: Adam	CALEH				Date	٠.	3-28-2017	

Page 1 of 1

PATENT REEL: 041934 FRAME: 0641

RECORDED: 04/07/2017