PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4945514

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
TOBIAS HOCK	04/04/2018	
JORG NEUKIRCHNER	04/03/2018	
DR. MICHAEL PAUSCH	04/03/2018	

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:	15773435

CORRESPONDENCE DATA

Fax Number: (248)528-4320

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.

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Email: PatentMail-TRY@SCHAEFFLER.COM

Correspondent Name: SCHAEFFLER GROUP USA, INC. INTELLECTUAL

Address Line 1:1750 E. BIG BEAVER ROADAddress Line 4:TROY, MICHIGAN 48083-2010

ATTORNEY DOCKET NUMBER:	P151927-10WO-US
NAME OF SUBMITTER:	ADAM R. SOUTHWORTH
SIGNATURE:	/ADAM R. SOUTHWORTH/
DATE SIGNED:	05/03/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT REEL: 045709 FRAME: 0798

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

Title of Invention: Ball bear	ing care				
Attorney Docket No.: P151					
This assignment and declaration the attached application the application identifies		le of invention	given abov , filed	e,	
	ASSIGNMENT				
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:					
	effler Technologies AG & Co. KG striestraße 1-3, Herzogenaurach, Ge	rmany 91074			
patent application, including: Patent of the United States that reissues or extensions thereof, of the term or terms for which utility models, and designs whithe United States, together wit rights derived from said United Convention for the Protection the country in which any such ASSIGNEE, its successors, or models, designs or other rights without limitation, patents, utilinvention in any country or co to be held and enjoyed by said	ght, title, and interest in and to the a (i) any and all divisions or continua t may issue on any such application to be held and enjoyed by said ASS any and all such Letters Patent may ich may hereafter be filed for said in the right to file such applications d States application under the Paten of Industrial Property, or any other application is filed, as may be appli- assigns to the full end of the term of may be granted; and (iii) all forms lity models, inventors' certificates a untries foreign to the United States ASSIGNEE, its successors, or assi- models, designs or other rights ma-	tions thereof, as or for said investion for said investion in any and the right to t Laws of the U international agicable, to be held of industrial prind designs which and all extensions to the full e	nd in and is ention, includes sort, or all application of all application for the country or claim for the country or and enjoy and operty protects, renewall and renewall and renewall and protects or any beginns, renewall and in any beginns any beginns and in any beginns any beginns and in any beginns and any beginns and any beginns and any beginns and any b	o any and a uding any assigns to ations for countries he same th s, the Inter the dome: yed by said all such po ection, incegranted for distance the and reis and reis and reis and reis and reis and reis and reis	all Letters and all the full end patents, foreign to be priority mational stic laws of atents, utility duding, said sues thereof,
	the Director of the U.S. Pateril and IEE, its successors, or assigns in acc			any and a	ll such
	ave the right to sell and assign the i ute any document or instrument in			ssigned and	i that I have
assigns all information known deliver any papers, make all ri necessary or desirable by said invention, to said application i may be granted therefor or the or to assist said ASSIGNEE, i Letters Patent of the United St	at I will communicate to said ASSI to me relating to said invention or ghtful oaths, testify in any legal pro ASSIGNEE, its successors, legal rencluding divisions and continuation reon, including reissues or extensions successors, legal representatives, ates and any and all patents, utility of any country or countries foreign	patent application beedings, and percentatives, consistence and to the start of and to the start of a said ASS or assigns in of models, design to the United to	on and that perform all or assigns to any and a IGNEE, its ottaining, re its or other i	I will exect other lawf or perfect in the law of	cute and ful acts file to said Patent that s, or assigns, enforcing may be
	<u>DECLARATIO</u>	N			
As a below-named inventor, I					
35	on was made or authorized to be in	Fa.		·	
•	inventor or an original joint invent				
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.					
Inventor: Tobias Hock		Tak	À: :A		
And a comparable in the contract of the contra	. 17	Dage	18 : : : 2	1811	12 M 18

PATENT REEL: 045709 FRAME: 0799

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

(For Use with Signed Application Data Sheet)

Title of Invention: Ball bearing cage
Attorney Docket No.: P151927-10WO-US
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
ASSIGNMENT
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, Herzogenauruch, 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
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.
Inventor: 18rg Neukirchner

PATENT REEL: 045709 FRAME: 0800

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

Title of Invention: Ball bearing cage
Attorney Docket No.: P151927-10WO-US
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 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 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 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.
Inventor: Dr. Michael Pausch
Signature: Date: April 2nd 2018

PATENT Page 1 of 1 **REEL: 045709 FRAME: 0801**

RECORDED: 05/03/2018