# 505658264 09/06/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5705069

SUBMISSION TYPE:		NE	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		AS	ASSIGNMENT		
CONVEYING PARTY DA	ΑΤΑ				
		Nar	ne		Execution Date
DIETER ADLER					09/04/2019
RENATO DE PAULA					09/05/2019
MARIO KREUTZER					09/04/2019
MICHAEL ZINNECKER					08/29/2019
RECEIVING PARTY DA	ТА				
Name:	SCHAE	EFFLER T	ECHNOLOGIES AG & C	Ю. КС	à
Street Address:	INDUS	TRIESTR	ASSE 1-3		
City:	HERZO	DGENAU	RACH		
State/Country:	GERM	ANY			
Postal Code:	91074				
PROPERTY NUMBERS	Total: 1				
Property Type			Number		
Application Number: 16562			2649		
Application Number:		16562649	9		
		1656264	9		
CORRESPONDENCE D					
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CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	e sent to provideo	(248)528 o the e-ma d; if that i 248-528- patentma SCHAEF 1750 E. E INTELLE TROY, M P1 <sup>1</sup> CC /Co	-4320 ail address first; if that is s unsuccessful, it will b 4910 il-try@schaeffler.com FLER GROUP USA BIG BEAVER CTUAL PROPERTY DEF ICHIGAN 48083 91256 US	e sen	t via US Mail.
CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU IAME OF SUBMITTER: BIGNATURE:	e sent to provideo	(248)528 o the e-ma d; if that i 248-528- patentma SCHAEF 1750 E. E INTELLE TROY, M P1 <sup>1</sup> CC /Co	-4320 ail address first; if that is s unsuccessful, it will b 4910 il-try@schaeffler.com FLER GROUP USA BIG BEAVER CTUAL PROPERTY DEF ICHIGAN 48083 91256 US INNIE L. PARK	e sen	t via US Mail.
CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: DATE SIGNED:	e sent to provided	(248)528 <b>o the e-m</b> <b>d; if that i</b> 248-528 patentma SCHAEF 1750 E. E INTELLE TROY, M P1' CC /Cc 09/	-4320 ail address first; if that is s unsuccessful, it will b 4910 il-try@schaeffler.com FLER GROUP USA BIG BEAVER CTUAL PROPERTY DEF ICHIGAN 48083 91256 US ICHIGAN 48083 91256 US ICHIGAN 48083	e sen	t via US Mail.

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#### Title of Invention: BALL-SCREW NUT WITH OVER-MOLDED SHELL.

#### Attorney Docket No.: P191256 US

This assignment and declaration are directed to (check one):

- the attached application; the application identified United States South 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 Assignce:	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 combinations 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.

DiejonAdler feventer: Date: <u>09,04,201</u> Signature:

Page 1 of 1

PATENT REEL: 050290 FRAME: 0716

#### Title of Invention: BALL-SCREW NUT WITH OVER-MOLDED SHELL

#### Attorney Docket No.: P191256 US

This assignment and declaration are directed to (check one):

 $\boxtimes$  the attached application;

- $\overline{X}$  the application identified by the attorney docket no. and title of invention given above;
- United States Application or PCT International Application No. , filed

#### ASSIGNMENT

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 Name of Assignee:
 Schaeffler Technologies AG & Co. KG

 Address of Assignee:
 Industriestraße 1-3, Herzogenaurach, Germany 91074

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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:	Renato de Paula	-4
Signature:	Lendo L. Rh.	Date: <u>05. Sep. 19</u>
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Page 1 of 1

PATENT REEL: 050290 FRAME: 0717

#### Title of Invention: BALL-SCREW NUT WITH OVER-MOLDED SHELL

#### Attorney Docket No.: P191256 US

This assignment and declaration are directed to (check one):

 $\mathbf{X}$  the attached application;

- I the application identified by the attorney docket no. and title of invention given above:
  - United States Application or PCT International Application No. \_\_\_\_\_\_, filed \_\_\_\_\_

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inventor: Mario Kreotze Date: Sept. - 04 - 20-79 Signature:

Page 1 of 1

PATENT REEL: 050290 FRAME: 0718

### Title of Invention: BALL-SCREW NUT WITH OVER-MOLDED SHELL

#### Attorney Docket No.: P191256 US

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the application identified by the attorney docket no. and title of invention given above;

United States Application or PCT International Application No. \_\_\_\_\_, filed \_\_\_\_\_

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Inventor:	Michael Zinnecker		
Signature:	Mal Zake	Date:	8-29-2019

PATENT REEL: 050290 FRAME: 0719

**RECORDED: 09/06/2019**