## 506757525 07/09/2021

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6804342

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KAI SCHENCK	06/23/2021
BERTRAND PENNEC	06/18/2021
THORSTEN KRAUSE	06/07/2021

#### **RECEIVING PARTY DATA**

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State/Country:	GERMANY
Postal Code:	91074

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17421806

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	P182831 WO-US
NAME OF SUBMITTER:	REID A. BALDWIN
SIGNATURE:	/Reid A. Baldwin/
DATE SIGNED:	07/09/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 3**

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PATENT 506757525 REEL: 056800 FRAME: 0648

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

(For Use with Signed Application Data Sheet)

Title of Invention: METHOD FOR ACTIVELY DAMPENING A START-UP RESONANCE OF A TORSIONAL DAMPER WHEN STARTING AN INTERNAL COMBUSTION ENGINE

Attorney Docket No.:	P182831 WO-US			
the attached apple the application is	claration are directed to (check one): ication; lentified by the attorney docket no. at oplication or PCT International Applic			
	ASSIGNM	ENT		
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Name of Assignce: Address of Assignce:	Schaeffler Technologies AG & Co. Industriestraße 1-3, Herzogenaurach			
patent application, inclu- Patent of the United Stat reissues or extensions th of the term or terms for a utility models, and desig the United States, togeth rights derived from said Convention for the Prote the country in which any ASSIGNEE, its success models, designs or other without limitation, paten invention in any country to be held and enjoyed b	all right, title, and interest in and to ding: (i) any and all divisions or contest that may issue on any such applict ereof, to be held and enjoyed by said which any and all such Letters Patent as which may hereafter be filed for sier with the right to file such application. United States application under the Paction of Industrial Property, or any or such application is filed, as may be ors, or assigns to the full end of the terights may be granted; and (iii) all forts, utility models, inventors' certification countries foreign to the United Stay said ASSIGNEE, its successors, or utility models, designs or other right	inuations thereof, and inverse ASSIGNEE, its such as and the right to the transfer of the Uther international agapplicable, to be held and of the Uther international agapplicable, to be held as and designs which are and designs which are and all extensions assigns to the full extensions.	nd in and to any and the intion, including an ocessors, or assigns all applications for countrie claim for the same nited States, the last reement or the dond and enjoyed by such any and all such operty protection, in the may be granted in the center of the dond and enjoyed and enjoyed by such any and all such operty protection, in the may be granted in the content of the may be granted in the content of the country and remember the content of the country protection, in the country protection and the country protection are consistent to the country protection and the country protection are country protection.	d all Letters y and all to the full end or patents, es foreign to the priority ternational nestic laws of aid patents, utility neluding, for said eissues thereof,
	equest the Director of the U.S. Patent SSIGNEE, its successors, or assigns in			l all such
	hat I have the right to sell and assign at execute any document or instrumen			nd that I have
assigns all information k deliver any papers, make necessary or desirable by invention, to said applica may be granted therefor or to assist said ASSIGN Letters Patent of the Uni	gree that I will communicate to said A mown to me relating to said invention all rightful oaths, testify in any legally said ASSIGNEE, its successors, legal ation including divisions and continu- or thereon, including reissues or extended IEE, its successors, legal representation ited States and any and all patents, und ates or of any country or countries for	n or patent application or patent application of proceedings, and part of the proceedings and to the part of the p	on and that I will exertorm all other laver assigns to perfect any and all Letters (GNEE, its success taining, reissuing, the or other rights the	tecute and  vful acts  title to said  a Patent that  ors, or assigns, or enforcing  at may be
	<u>DECLARA</u>	<u>rion</u>		
As a below-named inver	ntor, 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: Thorsten Krause				
Signature:		Date:	07. June	2021

PATENT REEL: 056800 FRAME: 0649

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

Title of Invention: METHOD FOR ACTIVELY DAMPENING A START-UP RESONANCE OF A TORSIONAL DAMPER WHEN STARTING AN INTERNAL COMBUSTION ENGINE

A CAMPAGE AND A
Attorney Docket No.: P182831 WO-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.
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.
Inventor: Bertrand Pennec
Signature: Date:

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

Title of Invention: METHOD FOR ACTIVELY DAMPENING A START-UP RESONANCE OF A TORSIONAL DAMPER WHEN STARTING AN INTERNAL COMBUSTION ENGINE

Attorney Docket No.: P182831 WO-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
<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 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.
Inventor: Kai Schenck
Signature:

Page 1 of 1

**RECORDED: 07/09/2021** 

**PATENT** REEL: 056800 FRAME: 0651