PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3433576

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS MUELLER	06/25/2015
ALI BAYRAKDAR	06/22/2015
UWE ELFERS	07/07/2015
HOLGER PIEPER	06/25/2015

RECEIVING PARTY DATA

Name:	VOLKSWAGEN AG
Street Address:	BRIEFFACH 011/1770
City:	WOLFSBURG
State/Country:	GERMANY
Postal Code:	38436
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:	14796258

CORRESPONDENCE DATA

Fax Number:

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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Address Line 4: NEW YORK, NEW YORK 10018

ATTORNEY DOCKET NUMBER: 5052.1048CON

PATENT REEL: 036058 FRAME: 0145

503386952

NAME OF SUBMITTER:	WILLIAM C. GEHRIS, REG. NO. 38,156
SIGNATURE:	/williamcgehris/
DATE SIGNED:	07/10/2015
Total Attachments: 4	

source=P-101008-US-CA_Exec_Assign-Decl-Elfers_2015-07-07#page1.tif source=P-101008-US-CA_Exec_Assign-Decl-Bayrakdar_2015-06-22#page1.tif source=P-101008-US-CA_Exec_Assign-Decl-Mueller_2015-06-25#page1.tif source=P-101008-US-CA_Exec_Assign-Decl-Pieper_2015-06-25#page1.tif

> **PATENT REEL: 036058 FRAME: 0146**

(For Use with Signed Application Data Sheet)

DEVICE FOR CHANGING THE RELATIVE ANGULAR POSITION OF A CAMSHAFT WITH RESPECT TO A CRANKSHAFT OF AN INTERNAL

COMBUSTION ENGINE

Title of Invention:

Amorne	ney Docket No.: 5052.1948CON		
This ass	ssignment and declaration are directed to (check one):		
	the attached application;		
⊘] t	the application identified by the attorney docket no. and title of invention gi	ven above;	
t	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 1: Volkswagen AG, Brieffach 011/1770, 38436 Wolfsburg, Germany Name of Assignee 2: Schaeffler Technologies AG & CO. KG, Industriestrasse 1-3, 91074 Herzogenaurach, Germany

(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 fi	ne or imprisonment of not	more than five (5) years, or both.				:
Signature:						
Inventor:	Uwe Elfers		Date:	<u> </u>	45	•••••

(For Use with Signed Application Data Sheet)

DEVICE FOR CHANGING THE RELATIVE ANGULAR POSITION OF A CAMSHAFT WITH RESPECT TO A CRANKSHAFT OF AN INTERNAL

COMBUSTION ENGINE

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

Attorney Docket No.: 5052,1048CON

Title of Invention:

the attached application; the application identified by the attorney docket no, and title of invention given above;
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 1: Volkswagen AG, Brieffach 611/1776, 38436 Wolfsburg, Germany Name of Assignee 2: Schaeffler Technologies AG & CO, KG, Industriestrasse 1-3, 91074 Herzogenaurack, Germany (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, unlity models, and designs which may be reafter be filed for said invention in any country or countries foreign to the United States, logether 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 demestic 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 fix 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, inventiors' 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 fix 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 Paient 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 Paient 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 invenior or an original joint inventor of a claimed invention in the application.

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§ 1001 by fine or imprisonment of not more than five (5) years, or both.

- Ali Bayrakdar

Signature

inventor:

Page 1 of 1

Date 2015-06-22

(For Use with Signed Application Data Sheet)

DEVICE FOR CHANGING THE RELATIVE ANGULAR POSITION OF A CAMSHAFT WITH RESPECT TO A CRANKSHAFT OF AN INTERNAL

Title of Invention:

TOMARTITUM (TOMATER MELITERE) - POLOS ERECUNINAS

COMBUSTION ENGINE

Attorney Docket No.:

5052,1048CON

200. 2	The country of Dougle Category (1995) and the Country of Country o
1038.88	signment and declaration are directed to (check one):
	the attached application:
\boxtimes	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 1: Volkswagen AG, Brieffach 011/1770, 38436 Wolfsburg, Germany Name of Assignee 2: Schneffler Technologies AG & CO. KG, Industriestrasse 1-3, 91074 Herzogenaurach, Germany

(hereinafter ASSIONEE) 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.

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Thereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. \$ 1001 by fing or information of any proceedings for 50 years, or both

§ 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature:	1/26. [/ Mar/				
faveator	Thomas Mueller	· · · · · · · · · · · · · · · · · · ·	Date:	June 15	46.15

(For Use with Signed Application Data Sheef)

DEVICE FOR CHANGING THE RELATIVE ANGULAR POSITION OF A CAMSHAFT WITH RESPECT TO A CRANKSHAFT OF AN INTERNAL

COMBUSTION ENGINE

Attorney Docket No.: 5052.1048CON

Title of Invention:

his assignment and declaration are directed to (check one):	
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the application identified by the attorney docket no, and title of invention given above;	
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RECORDED: 07/10/2015

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I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

Thereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C.

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Signature:		4.Dre-						
Inventor:	Holger Pieper			Vate:	2 <u>25</u> *_	06.	20-15	

Page 1 of 1

PATENT REEL: 036058 FRAME: 0150