504591404 10/12/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FRANCESCO TRIDICO	09/06/2017
TIMO STIFEL	09/06/2017
MANFRED ADOLF	09/06/2017
DIRK WÜSTENHAGEN	09/06/2017
SVEN SCHUMM	09/06/2017

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15654368

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	24603-0095
NAME OF SUBMITTER:	PAMELA C. SCAGGS
SIGNATURE:	/PAMELA C. SCAGGS/
DATE SIGNED:	10/12/2017
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Total Attachments: 6

PATENT REEL: 043851 FRAME: 0952

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PATENT REEL: 043851 FRAME: 0953

ASSIGNMENT OF APPLICATION

For good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which is hereby acknowledged,

Name(s) of Inventor(s)	Francesco Tridico Timo Stifel Manfred Adolf Dirk Wüstenhagen Sven Schumm maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled
Title of Application	IGNITION COIL
Date of signing of Application by each Inventor	Which has been executed by the undersigned on,, and,
Application	For which an application for a United States Patent was filed July 19, 2017
Information	Application Serial Number: 15/654,368
	the undersigned hereby sell(s), assign(s), and set(s) over to
Name of Assignee	BorgWarner Ludwigsburg GmbH
Address of	Mörikestraße 155
principal place of business	71636 Ludwigsburg, Germany
Insert State of Incorporation (if applicable) or "Not Applicable"	a corporation of

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, any and all Letters Patent of the United States and of all other countries, including Canada and Mexico, which may be granted for such inventions, or any of them, any divisional, continuation-in-part, or reissue applications corresponding to the Application or such Letters Patent, and any reexamination of the Application or such Letters Patent, and any foreign patents or patent applications corresponding thereto, and the right to sue for any infringements transpiring before Assignee acquired legal title, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such Interference or litigation.

1

Attorney Docket No.: 24603-0095

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WIT	NESS WHEREOF, I have execut	ted this assignment at	
this <u>O</u> day of	<u>Septauber</u> , 2017.	A	
	744/		
Outside the USA: Witnesses are	Witness	Javentor (Signature)	
required when acknowledgment before a Notary	Pinda Let	Carl Francesco Tridico	
Public is not	Witness	Tyned Name	

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

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IN WITI	NESS WHEREOF, I have executed this assign <u>SGO I CWB</u> C, 20 17.	ment at
Outside the USA: Witnesses are	B. D.	Inventor (Signature)
required when acknowledgment before a Notary Public is not	Livaa Februart	Timo Stifel Typed Name

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

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IN WIT	NESS WHEREOF, I have executed this assignm	ent at
this 6 day of _	September, 2017.	
Outside the USA: Witnesses are required when acknowledgment before a Notary Public is not	Witness Linda Cobbart Witness	Inventor (Signature) Manfred Adolf Typed Name

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignce or its nominees the full and complete legal and equitable title to all such Letters Patent.

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IN WITNESS WHERE	OF, I have executed this assignment at	
1 2 500 000	01/2017	

La. Lebhart Witnesses are required when acknowledgment before a Notary Dirk Wüstenhagen

Public is not Typed Name feasible.

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

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IN WIT	NESS WHEREOF, I hav	e executed this assignr	ment at	
this 6 day of	Septembe, 2	017.		
Outside the USA:	3. KZ.			
Witnesses are	Witness		Inventor (Signature)	
required when acknowledgment before a Notary	Rivda	Lebhart	Sven Schumm	
Public is not	Witness		Typed Name	

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RECORDED: 10/12/2017