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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS DORNER	04/07/2014
JUERGEN GROTH	04/14/2014
HEIKO ENGELHARDT	04/01/2014

RECEIVING PARTY DATA

Name:	BROSE FAHRZEUGTEILE GMBH & CO. KOMMANDITGESELLSCHAFT, HALLSTADT
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City:	HALLSTADT
State/Country:	GERMANY
Postal Code:	D-96103

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13669834

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	FDST-P091008
NAME OF SUBMITTER:	RALPH E LOCHER
SIGNATURE:	/RALPH E LOCHER/
DATE SIGNED:	04/15/2014

Total Attachments: 3

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> **PATENT** REEL: 032674 FRAME: 0724 502767784

Docket No.: FDST-P091008

ASSIGNMENT

JÜRGEN HEIKO WHEREAS We, THOMAS DORNER. GROTH and ENGELHARDT, residing respectively at Nürnberg, Germany, have invented certain new and useful improvements in a

METHOD AND CONTROL DEVICE FOR OPERATING A THREE-PHASE BRUSHLESS DIRECT CURRENT MOTOR

described in Patent Application No. 13/669,834, filed November 6, 2012, and for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS. BROSE **FAHRZEUGTEILE GMBH** KOMMANDITGESELLSCHAFT, HALLSTADT, a German limited liability company doing business at Hallstadt, Germany is desirous of acquiring the entire interest in the invention, and in any and all Letters Patent of the United States that may be obtained therefor:

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said limited liability company, its legal representatives, successors and assigns, the full and exclusive right to the said invention as fully set forth and described in the abovementioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said limited liability company, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by us, had this assignment and sale not been made.

AND WE hereby authorize the said limited liability company to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said limited liability company as the assignee of the entire right, title and interest in and to the same.

9-2-C Witness	H. SOCK THOMAS DORNER	(L.S.)	07.04.80114 Date
Witness	JÜRGEN GROTH	(L.S.)	Date
Witness	HEIKO ENGELHARDT	(L.S.)	Date

PATENT

REEL: 032674 FRAME: 0725

Docket No.: FDST-P091008

ASSIGNMENT

WHEREAS We, THOMAS DORNER, JÜRGEN GROTH and HEIKO ENGELHARDT, residing respectively at Nürnberg, Germany, have invented certain new and useful improvements in a

METHOD AND CONTROL DEVICE FOR OPERATING A THREE-PHASE BRUSHLESS DIRECT CURRENT MOTOR

described in Patent Application No. 13/669,834, filed November 6, 2012, and for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

WHEREAS, BROSE FAHRZEUGTEILE GMBH & CO. KOMMANDITGESELLSCHAFT, HALLSTADT, a German limited liability company doing business at Hallstadt, Germany is desirous of acquiring the entire interest in the invention, and in any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said limited liability company, its legal representatives, successors and assigns, the full and exclusive right to the said invention as fully set forth and described in the abovementioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said limited liability company, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by us, had this assignment and sale not been made.

AND WE hereby authorize the said limited liability company to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said limited liability company as the assignee of the entire right, title and interest in and to the same.

		(L.S.)	
Witness	THOMAS DORNER	Section Co.	Date
999 Witness	Janger Groy	(L.S.)	14. Apr. 2019 Date
		(L.S.)	
Witness	HEIKO ENGELHARDT		Date

PATENT REEL: 032674 FRAME: 0726 Docket No.: FDST-P091008

RECORDED: 04/15/2014

ASSIGNMENT

DORNER. JÜRGEN GROTH and THOMAS WHEREAS We. ENGELHARDT, residing respectively at Nürnberg, Germany, have invented certain new and useful improvements in a

METHOD AND CONTROL DEVICE FOR OPERATING A THREE-PHASE **BRUSHLESS DIRECT CURRENT MOTOR**

described in Patent Application No. 13/669,834, filed November 6, 2012, and for which an application for Letters Patent of the United States of America was executed on the date of execution of this assignment;

CO. **GMBH** FAHRZEUGTEILE WHEREAS. BROSE KOMMANDITGESELLSCHAFT, HALLSTADT, a German limited liability company doing business at Hallstadt, Germany is desirous of acquiring the entire interest in the invention, and in any and all Letters Patent of the United States that may be obtained therefor:

NOW, THEREFORE, be it known that for sufficient consideration, the receipt and sufficiency whereof are hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said limited liability company, its legal representatives, successors and assigns, the full and exclusive right to the said invention as fully set forth and described in the abovementioned application, and to the application and any and all divisions and continuations thereof, and any and all Letters Patent of the United States which may be granted therefor, and any and all reissues of the Letters Patent, the same to be held and enjoyed by the said limited liability company, its legal representatives, successors and assigns, to the full end of the term, for which the Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by us, had this assignment and sale not been made.

AND WE hereby authorize the said limited liability company to make an application for Letters Patent and the Director to issue any and all Letters Patent of the United States on the invention or resulting from the application and from any and all divisions and continuations thereof to the said limited liability company as the assignee of the entire right, title and interest in and to the same.

Witness	THOMAS DORNER	(L.S.)	Date	11 2
Witness	JÜRGEN GROTH	(L.S.)	Date	***************************************
9.90 Witness	U.E. Mad HEIKO ENGELHARDT	(L.S.)	1.4.14 Date	andrewing and purpose of

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REEL: 032674 FRAME: 0727