PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thomas EDELMANN	11/14/2012
Stefan ELSTERER	11/13/2012
Christian HOOK	01/16/2013
Joern PESCHKE	11/13/2012
Frank VOLKMANN	11/13/2012

RECEIVING PARTY DATA

Name:	Siemens Aktiengesellschaft
Street Address:	Wittelsbacherplatz 2
City:	Muenchen
State/Country:	GERMANY
Postal Code:	80333

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13805187

CORRESPONDENCE DATA

Fax Number: 2129725487

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Correspondent Name: Cozen O'Connor

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Address Line 4: NEW YORK, NEW YORK 10172

ATTORNEY DOCKET NUMBER:	5029-1048PUS-329513.000
NAME OF SUBMITTER:	Thomas C. Pontani, Ph.D.

Total Attachments: 9

PATENT REEL: 029754 FRAME: 0915 OP \$40,00 13805187

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ASSIGNMENT

For good and valuable consideration, I (We),

Thomas Edelmann, residing at Geisfelder Str. 51, Bamberg, 96050, DE, citizen of DE Stefan Elsterer, residing at Hallemannstr. 1, Fürth, 90762, DE, citizen of DE Christian Hock, residing at Erhard-Segitz-Str. 42, Fürth, 90763, DE, citizen of DE Jörn Peschke, residing at Arnulfstraße 4, Nürnberg, 90489, DE, citizen of DE Frank Volkmann, residing at Preysingstr. 15, Nürnberg, 90475, DE, citizen of DE

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to Siemens Aktiengesellschaft, a corporation organized and existing under the laws of GERMANY, having its principal place of business at Wittelsbacherplatz 2, München, 80333, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of GERMANY or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of GERMANY or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

Patent Application Title: METHOD FOR CONTROLLING AN ELECTRIC MACHINE

AND CONTROL DEVICE

Filing Date (MM/DD/YYYY): 06/24/2010 Filing Number: PCT/EP2010/003880

Internal Case Number(s): 2010P07875WOUS

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in PATENT

REEL: 029754 FRAME: 0917

the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

S. Echlmann Witness Signature Stephanie Ecklmann printed name	Thomas Edelmann 14.11.2012 Date
Witness Signature	Stefan Elsterer
printed name	Date

Witness Signature	Christian Hock
printed name	Date
Witness Signature	Jörn Peschke
printed name	Date
Witness Signature	Frank Volkmann
printed name	Date
	Companies Representative(s) Siemens Aktiengesellschaft Signature
	Name Klinger Date
	Signature 10 . Hali
	Date January 21, 2013

Page 1 of 3

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For good and valuable consideration, I (We),

Thomas Edelmann, residing at Geisfelder Str. 51, Bamberg, 96050, DE, citizen of DE Stefan Elsterer, residing at Hallemannstr. 1, Fürth, 90762, DE, citizen of DE Christian Hock, residing at Erhard-Segitz-Str. 42, Fürth, 90763, DE, citizen of DE Jörn Peschke, residing at Arnulfstraße 4, Nürnberg, 90489, DE, citizen of DE Frank Volkmann, residing at Preysingstr. 15, Nürnberg, 90475, DE, citizen of DE

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Patent Application Title: METHOD FOR CONTROLLING AN ELECTRIC MACHINE

AND CONTROL DEVICE

Filing Date (MM/DD/YYYY): 06/24/2010 Filing Number: PCT/EP2010/003880

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REEL: 029754 FRAME: 0920

Page 2 of 3

the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Witness Signature	Thomas Edelmann	
printed name	Date	
A. Kulichi	Stefan Elsterer	
Alexander Kubicki printed name	M3. M. 20R2 Date	

Docket No.: 2010P07875WOUS Page 3 of 3 Christian Høck Witness Signature printed name Witness Signature 13.11.2012 Christian Schiller printed name Witness Signature 17.11.2drz Markus ERLMANN Date printed name Companies Representative(s) Siemens Aktiengesellschaft Signature // Name Klinger Date January_21, Signature Name

> PATENT REEL: 029754 FRAME: 0922

Hashuber

January 21, 2013

Date

Page 1 of 3

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IDNR: 1930 / 26.07.2012

Docket No.: **2010P07875WOUS** Page 2 of 3

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Witness Signature	Thomas Edelmann
printed name	Date
Witness Signature	Stefan Elsterer
printed name	Date
Witness Signature JENS A ROSEN BURG printed name	Date

Page 3 of 3

Witness Signature	Jörn Peschke
printed name	Date
Witness Signature	Frank Volkmann
printed name	Date
	Companies Representative(s) Siemens Aktiengesellschaft Signature
	Name Klinger Date January 21, 2013
	Signature / // // // // Name Hashuber Date
	January 21, 2013