

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jin-tao Chen</td> <td>04/17/2012</td> </tr> <tr> <td>Zi-Qiang Zhu</td> <td>04/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jin-tao Chen	04/17/2012	Zi-Qiang Zhu	04/17/2012				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>The University of Sheffield</td> </tr> <tr> <td>Street Address:</td> <td>Western Bank, Sheffield</td> </tr> <tr> <td>City:</td> <td>South Yorkshire</td> </tr> <tr> <td>State/Country:</td> <td>UNITED KINGDOM</td> </tr> <tr> <td>Postal Code:</td> <td>S10 2TN</td> </tr> </table>		Name:	The University of Sheffield	Street Address:	Western Bank, Sheffield	City:	South Yorkshire	State/Country:	UNITED KINGDOM	Postal Code:	S10 2TN
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13448444</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13448444						
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Application Number:	13448444										
CORRESPONDENCE DATA											
<p>Fax Number: 4077366440          Phone: 4077364045          Email: luann.sweet@siemens.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Sandra Baker          Address Line 1: Siemens Corp.          Address Line 2: 170 Wood Avenue South          Address Line 4: Iselin, NEW JERSEY 08830</p>											
ATTORNEY DOCKET NUMBER:	2010P22485US										
NAME OF SUBMITTER:	Luann Sweet										
<p>Total Attachments: 3          source=2010P22485US_assignment_signed_Inv_UnivSheffield#page1.tif          source=2010P22485US_assignment_signed_Inv_UnivSheffield#page2.tif          source=2010P22485US_assignment_signed_Inv_UnivSheffield#page3.tif</p>											

CH \$40.00 13448444

ASSIGNMENT

For good and valuable consideration, I (We),  
Jin-tao Chen, residing at ~~88 club Garden Road, Sheffield, S11 8BW~~, citizen of CN *No.28, Room 1303, 1633 Kangqiao Road, Pudong New District Shanghai 201315*  
Zi-Qiang Zhu, residing at ~~66 Alms Hill Road, Sheffield, S44 0RS~~, citizen of UK *China*  
*Jintao Chen, 22 Aug 2012*  
*26 Moorbank Road Sheffield S10 5TR, UK*  
*23 Aug 2012*

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

Hereby, (I) acknowledge having previously assigned, sold and transferred to THE UNIVERSITY OF SHEFFIELD, organized and existing under the laws of UNITED KINGDOM, having its principal place of business at Western Bank, S10 2TN SHEFFIELD, SOUTH YORKSHIRE, UNITED KINGDOM hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of UNITED KINGDOM 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 UNITED KINGDOM 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: **A synchronous permanent magnet machine**

Filing Date(s): April 17, 2012

Filing Number(s): 13/448,444

Internal Case Number(s): 2010P22485 US

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 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.

Jintao Chen  
Jin-tao Chen

17 APRIL 2012  
Date

C Potts  
Witness  
printed name  
C. POTTS

Zi-Qiang Zhu  
Zi-Qiang Zhu

17 April 2012  
Date

C Potts  
Witness  
printed name  
C. POTTS



Dr Suzanne Bushnell-Watson  
Head of Commercialisation  
Research and Innovation Services  
University of Sheffield

Representative(s)  
THE UNIVERSITY OF SHEFFIELD

Signature *[Handwritten Signature]*  
Name \_\_\_\_\_  
Date 22 June 2012

Signature \_\_\_\_\_  
Name \_\_\_\_\_  
Date \_\_\_\_\_