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PATENT ASSIGNMENT COVER SHEET

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CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------|----------------|
| BERNADETTE BRAHM | 12/10/2013 |
| FRANK BOCKEL | 12/17/2013 |
| DIETHELM DETTMAR | 12/18/2013 |
| ANNA CHRISTINA DROSCHINSKI | 12/10/2013 |
| BERND LUNEBURG | 12/01/2013 |
| UMIT MERMERTAS | 12/13/2013 |
| JAN SOGGEBERG | 12/10/2013 |
| MARCEL STRANGER | 12/10/2013 |
| ANDREAS WINKLER | 12/10/2013 |

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| State/Country: | GERMANY |
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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14233442 |

CORRESPONDENCE DATA

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PATENT

| ATTORNEY DOCKET NUMBER: | 2011P04385WOUS (029) |
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| NAME OF SUBMITTER: | CHRISTINE MCLEOD |
| Signature: | /cqmcleod/ |
| Date: | 01/17/2014 |
| Total Attachments: 8 source=2011P04385WOUSAssignment#page1.tif source=2011P04385WOUSAssignment#page2.tif source=2011P04385WOUSAssignment#page3.tif source=2011P04385WOUSAssignment#page4.tif source=2011P04385WOUSAssignment#page5.tif source=2011P04385WOUSAssignment#page6.tif source=2011P04385WOUSAssignment#page7.tif source=2011P04385WOUSAssignment#page8.tif | |

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ASSIGNMENT

For good and valuable consideration, I (We),

Bernadette Brahm, residing at Im Wolfsfeld 21, Bochum, 44879, DE, citizen of DE

Frank Böckel, residing at An der Stompeich 26, Hennef, 53773, DE, citizen of DE

Diethelm Dettmar, residing at Färberskamp 38, Wesel, 46485, DE, citizen of DE

Anna Christina Droschinski, residing at August-Thyssen-Str. 105b, Mülheim an der Ruhr, 45481, DE, citizen of DE

Bernd Lüneburg, residing at West-Kapeller-Ring 30, Mülheim an der Ruhr, 45481, DE, citizen of DE

Ümit Mermertas, residing at Saarnerstraße 471, Mülheim an der Ruhr, 45478, DE, citizen of TR

Jan Soggeberg, residing at Hoonkesweg 49, Dorsten, 46286, DE, citizen of DE

Marcel Stränger, residing at Cheruskerstraße 71, Mülheim an der Ruhr, 45479, DE, citizen of DE

Andreas Winkler, residing at Ringstraße 52, Duisburg, 47239, 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 filling 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)

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Patent Application Title: TILTING-SEGMENT RADIAL BEARING FOR A SINGLE-

SHAFT TURBOMACHINE

Filing Date (MM/DD/YYYY): 06/15/2012 Filing Number: PCT/EP2012/061433

Internal Case Number(s): 2011P04385WOUS

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.

| Witness Signature Frank Brumbi | Bernadette Brahm 10. 12. 13 |
|---|------------------------------|
| printed name | Date |
| Witness Signature Prank Brumbi printed name | Frank Böckel 17/12/13 Date |

| Trank Brumbi | Diethelm Dettmar |
|-------------------|------------------------------|
| printed name | |
| , | |
| <u> Emle Bull</u> | acc. |
| Witness Signature | Anna Christina Droschinski |
| Frank Brumbi | 10-112-2013 |
| printed name | Date |
| | |
| | |
| Witness Signature | Bernd Lüneburg |
| | |
| printed name | Date |
| | |
| F. 4 D 0 | |
| Witness Signature | Ümit Mermertas |
| Frank Brumbi | <u> 13.12.2013</u> |
| printed name | (<u>S_1Z_Z/D1_)</u> Date |
| | |
| Fall Late | |
| Witness Signature | Jan Søggeberg |
| Frank Brumbi | 10, 12, 2013 |
| nrinted name | Date |

Page 3 of 4

Page 4 of 4

Witness Signature

Frank Brumbi

printed name

Marcel Stränger

10.12.13

Date

Witness Signature

Frank Brumbi

printed name

Andreas Winkler

Date

Companies Representative(s) Siemens Aktiengesellschaft/

Signature

Name

Date

Signature Name

Date

Page 1 of 4

ASSIGNMENT

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- (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 | Bernadette Brahm |
|-------------------|------------------|
| printed name | Date |
| Witness Signature | Frank Böckel |
| printed name | Date |

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| Witness Signature | Diethelm Dettmar |
|--|----------------------------------|
| printed name | Date |
| Witness Signature | Anna Christina Droschinski |
| printed name | Date |
| Witness Signature Annelle Lüneburg printed name | Bernd Lüneburg Od / 12/13 Date |
| Witness Signature printed name | Ümit Mermertas Date |
| Witness Signature | Jan Soggeberg |
| printed name | Date |

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| Witness Signature | Marcel Stränger |
|-------------------|--|
| printed name | Date |
| Witness Signature | Andreas Winkler |
| printed name | Date |
| | |
| | Companies Representative(s) Siemens Aktiengesellschaft Signature Name Trank Siegler |
| | Signature J. V. Scenna Ingolander |
| | Date Jan 15, 2014 |