#### 01/09/2018 504721473

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4768196

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name         | Execution Date |
|--------------|----------------|
| CHAO WANG    | 10/17/2017     |
| JUN HU       | 10/17/2017     |
| FEI WANG     | 10/17/2017     |
| ZEZHAN ZHANG | 10/17/2017     |
| JING JIANG   | 10/17/2017     |
| JIE XIONG    | 10/17/2017     |
| YUEMING WANG | 10/17/2017     |
| TIEZHONG MA  | 10/17/2017     |
| DONG YAN     | 10/17/2017     |
| XUEKE GOU    | 10/17/2017     |
| TING ZHOU    | 10/17/2017     |
| YI NIU       | 10/17/2017     |
| PEI HUANG    | 10/17/2017     |

#### **RECEIVING PARTY DATA**

| Name:           | UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA |
|-----------------|--|
| Street Address: | NO. 2006, XIYUAN AVE, WEST HI-TECH ZONE                  |
| City:           | CHENGDU  |
| State/Country:  | CHINA  |
| Postal Code:    | 611731   |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15865297 |

#### CORRESPONDENCE DATA

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Correspondent Name: MATTHIAS SCHOLL Address Line 1: 1321 UPLAND DR.

PATENT

REEL: 044578 FRAME: 0923 504721473

| Address Line 2: SUIT                        | E 1319                                     |  |  |
|---|--|--|--|
| Address Line 4: HOU                         | STON, TEXAS 77043                          |  |  |
| ATTORNEY DOCKET NUMBER:                     | CDDZ-00601-UUS                             |  |  |
| NAME OF SUBMITTER:                          | LARRY CHEN                                 |  |  |
| SIGNATURE:                                  | /Larry Chen/                               |  |  |
| DATE SIGNED:                                | 01/09/2018                                 |  |  |
| Total Attachments: 13                       |  |  |  |
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PATENT REEL: 044578 FRAME: 0924

| Attorney<br>Docket<br>Number  | CDDZ-00601-UUS  |  |
|---|---|--|
| Title of<br>Invention   | DEVICE FOR MEASURING SURFACE TEMPERATURE OF TURBINE BLADES  |  |
|   | . I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed the application identified by the title above. |  |
| WHEREAS   | UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA  |  |
| having a po   | No. 2006, Xiyuan Ave, West Hi-Tech Zone, Chengdu, Sichuan, China, 611731  |  |
| (referred to  | as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States,  |  |
| NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof.  |   |  |
| ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives. |   |  |
| ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.  |   |  |
| ASSIGNOR authorizes Practitioners associated with the Customer Number 33,794 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.   |   |  |
| LEGAL NAME OF ASSIGNOR  |   |  |
| Assignor:   | Chao WANG  Date: 20 1 7   |  |
| Signature:  |   |  |

PAGE 1 OF 13

| Attorney<br>Docket<br>Number  | CDDZ-00601-UUS  |  |
|---|---|--|
| Title of<br>Invention   | DEVICE FOR MEASURING SURFACE TEMPERATURE OF TURBINE BLADES  |  |
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| LEGAL NAME OF ASSIGNOR  |   |  |
| Assignor  | Jun HU Date: 257 7. / 8 . 17  |  |
| Signature: TAU  |   |  |

PAGE 2 OF 13

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|--|--|--|
| CDDZ-00601-UUS   |  |  |
| DEVICE FOR MEASURING SURFACE TEMPERATURE OF TURBINE BLADES   |  |  |
| I<br>5, I believe that I ar<br>1 the application ide   | n the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed entified by the title above.  |  |
| 3.;  | UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA   |  |
| ostal address of   | No. 2006, Xiyuan Ave, West Hi-Tech Zone, Chengdu, Sichuan, China, 611731   |  |
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| VAME OF ASSIGN   | OR   |  |
| Assignor Fei WANG Date 2017. 10.17   |  |  |
| Signature: 36  |  |  |
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| Attorney<br>Docket<br>Number  | CDDZ-00601-UUS  |   |  |
|---|-----------------|---|--|
| Title of<br>Invention   | DEVICE FOR      | R MEASURING SURFACE TEMPERATURE OF TURBINE BLADES   |  |
|   |                 | m the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed entified by the title above. |  |
| WHEREAS   | :               | UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA  |  |
| having a po   | stal address of | No. 2006, Xiyuan Ave, West Hi-Tech Zone, Chengdu, Sichuan, China, 611731  |  |
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| LEGAL NAME OF ASSIGNOR  |                 |   |  |
| Assignor Zezhan ZHANG Date 7017. [0.17]   |                 |   |  |
| Signature: <u>张泽</u> 人  |                 |   |  |

| Attorney<br>Docket<br>Number  | CDDZ-0060  | 1-UUS   |  |
|---|--|---|--|
| Title of<br>Invention   | DEVICE FO  | R MEASURING SURFACE TEMPERATURE OF TURBINE BLADES   |  |
|   |  | m the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed lentified by the little above. |  |
| WHEREAS.  |  | UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA  |  |
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| (referred to  | as ASSIGNEE be   | elow) desires to acquire the entire right, title, and interest in and to the same in the United States;                           |  |
| ASSIGNOR<br>said invent<br>division, cor  | NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof. |   |  |
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| LEGAL NAME OF ASSIGNOR  |  |   |  |
| Assignor:   | Jing JIANG   | Date: 201). (0-/)   |  |
| Signature: Jing Jing  |  |   |  |

PAGE 5 OF 19

| Attorney<br>Docket<br>Number  | CDDZ-00601-UUS   |  |  |
|---|--|--|--|
| Title of<br>Invention   | PRIME FOR MEMOLIDIMO OLIDEMOE TEMPERATURE OF TURRIME RUMBER  |  |  |
| WHEREAS invention in  | I believe that I ar<br>the application id  | m the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed entified by the title above |  |
| WHEREAS   | ı  | UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA   |  |
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| LEGAL NAME OF ASSIGNOR  |  |  |  |
| Assignor Jie XIONG Date: 70, 10, 17   |  |  |  |
| Signature:  |  |  |  |

PAGE 6 OF 13

| Attorney<br>Docket<br>Number  | CDDZ-00601-UUS  |   |  |
|---|---|---|--|
| Title of<br>Invention   | DEVICE FOR MEASURING SURFACE TEMPERATURE OF TURBINE BLADES  |   |  |
| WHEREAS<br>invention in   | WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above. |   |  |
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| LEGAL NAME OF ASSIGNOR  |   |   |  |
| Assignor: Yueming WANG Date: 2617. 10.17  |   |   |  |
| Signature: 7347   |   |   |  |

PAGE 7 OF 13

| Attorney<br>Docket<br>Number   | CDDZ-00601-UUS   |  |  |  |
|--|--|--|--|--|
| Title of<br>Invention  | DEVICE FOR MEASURING SURFACE TEMPERATURE OF TURBINE BLADES |  |  |  |
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| LEGAL NA   | ME OF ASSIGNOR   |  |  |  |
| Assignor   | Assignor: Tiezhong MA Date: 2017. 10:17;                   |  |  |  |
| Signature:   |  |  |  |  |

PAGE 8 OF 13

| Attorney<br>Docket<br>Number  | CDDZ-00601-UUS   |  |  |  |
|---|--|--|--|--|
| Title of Invention  | DEVICE FOR MEASURING SURFACE TEMPERATURE OF TURBINE BLADES   |  |  |  |
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| ASSIGNOR authorizes Practitioners associated with the Customer Number 33,794 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.   |  |  |  |  |
| LEGAL NAME OF ASSIGNOR  |  |  |  |  |
| Assignor  | Dong YAN Date: 2017. /0, 1)  |  |  |  |
| Signature: FA   |  |  |  |  |

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| ***************************************   |  |   |  |  |
|---|--|---|--|--|
| Attorney<br>Docket<br>Number  | CDDZ-00601-UUS                         |   |  |  |
| Title of Invention  | DEVICE FO                              | R MEASURING SURFACE TEMPERATURE OF TURBINE BLADES   |  |  |
| WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above.   |  |   |  |  |
| WHEREAS, having a postal address of   |  | UNIVERSITY OF ELECTRONIC SCIENCE AND TECHNOLOGY OF CHINA  |  |  |
|   |  | No. 2006, Xiyuan Ave, West Hi-Tech Zone, Chengdu, Sichuan, China, 611731                                |  |  |
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| LEGAL NAME OF ASSIGNOR  |  |   |  |  |
| Assignor:   | Assignor: Xueke GOU Date: 2017, 10, 17 |   |  |  |
| Signature: 哲学44   |  |   |  |  |

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| Attorney<br>Docket<br>Number  | CDDZ-00601-UUS   |  |  |
|---|--|--|--|
| Title of Invention  | DEVICE FOR MEASURING SURFACE TEMPERATURE OF TURBINE BLADES   |  |  |
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| LEGAL NAME OF ASSIGNOR  |  |  |  |
| Assignor:   | Assignor: Ting ZHOU Date: 2017. /0.17  |  |  |
| Signature: 17 4   |  |  |  |
|   |  |  |  |

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| Attorney<br>Docket CDI<br>Number  | CDDZ-00601-UUS  |  |  |  |
|---|---|--|--|--|
| Title of Invention DE   | DEVICE FOR MEASURING SURFACE TEMPERATURE OF TURBINE BLADES  |  |  |  |
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| LEGAL NAME OF ASSIGNOR  |   |  |  |  |
| Assignor: Yi NIU Date: 2017- 10 · 17  |   |  |  |  |
| Signature: 牛表   |   |  |  |  |

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| Attorney<br>Docket<br>Number  | CDDZ-00601-UUS   |   |  |  |
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| LEGAL NAME OF ASSIGNOR  |                  |   |  |  |
| Assignor: Pei HUANG Date: \( \sqrt{0.1} \)  |                  |   |  |  |
| Signature:  |                  |   |  |  |

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