505263888 01/04/2019

# PATENT ASSIGNMENT COVER SHEET

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

#### **CONVEYING PARTY DATA**

| Name        | Execution Date |
|-------------|----------------|
| GUOJIE LI   | 12/17/2018     |
| ANPING TONG | 12/17/2018     |
| LIJUN HANG  | 12/17/2018     |
| JINGZHOU XU | 12/17/2018     |

## **RECEIVING PARTY DATA**

| Name:           | SHANGHAI JIAO TONG UNIVERSITY   |
|-----------------|---------------------------------|
| Street Address: | NO. 800 DONGCHUAN ROAD, MINHANG |
| City:           | SHANGHAI                        |
| State/Country:  | CHINA                           |
| Postal Code:    | 200240                          |

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

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16240695 |

## **CORRESPONDENCE DATA**

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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**Correspondent Name:** MANNI LI MEI & MARK LLP

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| ATTORNEY DOCKET NUMBER: | 63774.8082.US00 |
|-------------------------|-----------------|
| NAME OF SUBMITTER:      | MANNI LI        |
| SIGNATURE:              | /Manni Li/      |
| DATE SIGNED:            | 01/04/2019      |

## **Total Attachments: 3**

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> **PATENT REEL: 047910 FRAME: 0128** 505263888

#### ASSIGNMENT

WHEREAS LI, Guojie; TONG, Anping; HANG, Lijun; and XU, Jingzhou, each having an address as indicated below on the signature block, hereinafter referred to collectively as the Assignor, has invented certain improvement relating to CURRENT SENSORLESS CONTROL METHOD FOR DAB-BASED SINGLE STAGE ISOLATED PFC CONVERTERS, which the Assignor has caused an application for United States Letters Patent to be prepared,

| $\boxtimes$ | executed concurrently herewith.  |
|-------------|--|
|             | said application having been filed in the United States Patent and Trademark Office on and given an Application Serial No            |
|             | said application having been filed under the Patent Cooperation Treaty on, Serial No, the United States of America being designated. |

AND WHEREAS Shanghai Jiao Tong University, having an address at No. 800 Dongchuan Road, Minhang, Shanghai 200240, CHINA, hereinafter referred to collectively as the assignee, is desirous of acquiring the entire right, title, and interest in and to the said patents and/or patent applications, and inventions, including any continuations, divisions, renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to assignor, the receipt of which is hereby acknowledged, the assignor, hereby assigns, sells, and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said patents and/or patent applications including patents issuing thereon, and inventions, including any and all continuations, divisions, renewals, reissues, and prolongations thereof; said assignees, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said inventions, patents, patent applications, including any and all continuations, divisions, renewals, reissues, and prolongations thereof, with all the rights, powers, privileges and advantages otherwise arising from or appertaining thereto, for and during the term of such patents, including any and all renewals, reissues and prolongations thereof and patents issuing on such applications, continuations and divisions, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same; if this assignment had not been made;

AND the assignor agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the asserting of the said patents, including any and all renewals, reissues and prolongations thereof;

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all continuations, divisions, renewals, reissues and prolongations thereof;

This assignment includes the transfer of the right which the assignor has or may have in recovering damages for past infringement of the said patents.

| Date: Dec.  | 17,2018                          | Signature:   | Lyn   | gra                                    |
|---|----------------------------------|--|---|--|
| Address: No.  | 800 Dongchuan Road, Minhang, Sh  |  | CHINA   | LI, Guojis                             |
| WITNESSES T   | O SIGNATURE BY <b>LI, Guojie</b> |  |   |  |
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|   | YU WAZHOU                        |  | Date  |  |
|   | Name                             |  |   |  |
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| Address: No. 8  | 100 Dongchuan Road, Minhang, She | mahai 700740 (   | and the transition of                           | TONG, Auping                           |
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| #11:NE32E2 1:   | O SIGNATURE BY <b>TONG, And</b>  |  |   | 2481 6/                                |
|   |                                  |  | Dec- 17,  |  |
|   | LI GUOJZZ                        |  | Date  |  |
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|   | Address                          |  |   |  |

| Date:   |  | Signature: /                                  | anglyu.                     | ŋ       |
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|   | ) SIGNATURE BY <b>HANG, Liju</b> e         |   |                             |         |
| <b>1.</b>   | - 4yrza                                    |   | <u>lec. 17, 298</u><br>Date |         |
|   | LI GUOJIE                                  |   | Date                        |         |
| talia<br>Talian   | Name                                       |   |                             |         |
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| <b>Address:</b> No. 800   | <sup>0</sup> Dongchuan Road, Minhang, Shan | phai 200240, CHINA                            | ∨ NU, Jin                   | gzhou   |
| VITNESSES TO  | SIGNATURE BY XU, Jingzhou                  |   |                             |         |
|   | Lympu                                      | $\lambda$                                     | 0 Date                      |         |
|   | LZ GuoJL7                                  |   | Date                        |         |
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