

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT														
EFFECTIVE DATE:	12/19/2016														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>MINWEI QIU</td><td>03/20/2019</td></tr><tr><td>TIANSHUN ZHANG</td><td>03/20/2019</td></tr><tr><td>XIANCAI LUO</td><td>03/20/2019</td></tr><tr><td>LEI WANG</td><td>03/20/2019</td></tr><tr><td>JIEQIONG ZENG</td><td>03/20/2019</td></tr><tr><td>YUJIE ZHOU</td><td>03/20/2019</td></tr></tbody></table>	Name	Execution Date	MINWEI QIU	03/20/2019	TIANSHUN ZHANG	03/20/2019	XIANCAI LUO	03/20/2019	LEI WANG	03/20/2019	JIEQIONG ZENG	03/20/2019	YUJIE ZHOU	03/20/2019	
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RECEIVING PARTY DATA															
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State/Country:	CHINA														
Postal Code:	214135														
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>16337483</td></tr></tbody></table>	Property Type	Number	Application Number:	16337483											
Property Type	Number														
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CORRESPONDENCE DATA															
Fax Number:	(248)440-7300														
<i>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.</i>															
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NAME OF SUBMITTER:	AMANDA ZIMMERMAN														
SIGNATURE:	/Amanda Zimmerman/														

PATENT

DATE SIGNED:	03/28/2019
Total Attachments: 3 source=UNII-0100US-ExecutedAssignment#page1.tif source=UNII-0100US-ExecutedAssignment#page2.tif source=UNII-0100US-ExecutedAssignment#page3.tif	

ASSIGNMENT

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 2/8/17

WHEREAS, we, QIU Minwei of China, Jiangsu Province, ZHANG Tianshun of China, Jiangsu Province, LUO Xiancai of China, Jiangsu Province, WANG Lei of China, Jiangsu Province, ZENG Jieqiong of China, Jiangsu Province and ZHOU Yujie of China, Jiangsu Province, ("Assignor"), are the inventors of an invention entitled "DISCHARGE CIRCUIT INTEGRATED IN CHIP OF SLAVE DEVICE TO FOLLOW BUS RECTIFIER BRIDGE" that is the subject matter of: (check all that apply)

- ☐ a U.S. application for Letters Patent which claims the priority of the Chinese Patent Application No. 201611251472.X filed on December 19, 2016.
- ☒ an application made under the Patent Cooperation Treaty which is identifiable at WIPO by Application No. PCT/PCT/CN2017/119224 filed on December 28, 2017.
- ☐ an application for Letters Patent which is identifiable in the Patent Office of the U.S. by Application No. filed on .

WHEREAS, WUXI CHINA RESOURCES SEMICO CO., LTD., a corporation organized and existing under the laws of China ("Assignee"), and having offices at No. 180-22, Linghu Road, Taihu International Science and Technology Park Wuxi, Jiangsu 214135, CN is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection

- ☒ in the United States
- ☐ in all other countries or jurisdictions;

"NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged,

- a) we agree to transfer, and
 b) we do hereby transfer,

to Assignee, its successors and assigns, effective as of December 19, 2016 *nunc pro tunc*, our entire right, title and interest in the above named countries and jurisdictions in and to the following including the right to sue for past infringement: the invention, the above-identified applications, all applications from which any of the above-identified applications claim priority, corresponding U.S. and non-U.S. applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention, and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee."

We authorize the U.S. Attorneys handling this matter in the U.S. and the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in the above named countries and jurisdictions and appoint Assignee the common representative in the above-identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that we shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, including without limitation providing testimony in any related interference, litigation or proceeding. To the extent that we, our executors or administrators are unable or unavailable to execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as Assignee, its successors and assigns may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, we, our executors or administrators hereby authorize

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Assignee, its successors and assigns to act on our behalf.

If any provision(s) of this Assignment are held unenforceable or in conflict with the law of any jurisdiction, the validity of the remaining provisions will not be affected by such holding and the part held unenforceable in or in conflict with the law of one jurisdiction will remain in effect for other jurisdictions until held unenforceable or in conflict with the law of that jurisdiction.

QIU Minwei

QIU, Minwei
(Inventor / Assignor)

2019.3.20

Date

ZHANG, Tianshun

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March 20, 2019

Date

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March 20, 2019

Date

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WANG, Lei
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Date

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March 20, 2019

Date

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ZHOU, Yujie
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2019/3/20

Date