

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Bo Yang</td><td>11/02/2008</td></tr><tr><td>Jason Zhang</td><td>07/28/2008</td></tr><tr><td>Michael A. Briere</td><td>08/13/2008</td></tr></tbody></table> | | Name | Execution Date | Bo Yang | 11/02/2008 | Jason Zhang | 07/28/2008 | Michael A. Briere | 08/13/2008 |
| Name | Execution Date | | | | | | | | |
| Bo Yang | 11/02/2008 | | | | | | | | |
| Jason Zhang | 07/28/2008 | | | | | | | | |
| Michael A. Briere | 08/13/2008 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| Name: | International Rectifier Corporation | | | | | | | | |
| Street Address: | 233 Kansas Street | | | | | | | | |
| City: | El Segundo | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | |
| Postal Code: | 90245 | | | | | | | | |
| 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>12163100</td></tr></tbody></table> | | Property Type | Number | Application Number: | 12163100 | | | | |
| Property Type | Number | | | | | | | | |
| Application Number: | 12163100 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
| Fax Number: (212)382-0888 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | |
| Phone: 212-382-0700 | | | | | | | | | |
| Email: ckupferberg@ostrolenk.com | | | | | | | | | |
| Correspondent Name: OSTROLENK FABER GERB & SOFFEN | | | | | | | | | |
| Address Line 1: 1180 AVENUE OF THE AMERICAS | | | | | | | | | |
| Address Line 4: NEW YORK, NEW YORK 100368403 | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | IR-3494 (2-6476)(V9959) | | | | | | | | |
| NAME OF SUBMITTER: | Louis C. Dujmich | | | | | | | | |
| Total Attachments: 3 source=00977694#page1.tif source=00977694#page2.tif | | | | | | | | | |

OP \$40.00 12163100

500696040

PATENT
REEL: 021790 FRAME: 0684

PATENT APPLICATION ASSIGNMENT -
SOLE / JOINT INVENTORS

OFGS FILE NO. IR-3494 (2-6476)

WHEREAS, We, Bo Yang, Jason Zhang and Michael A. Briere, as assignors, have invented certain improvements in GATE DRIVING SCHEME FOR DEPLETION MODE DEVICES IN BUCK CONVERTERS for which an application for United States Letters Patent has been filed on June 27, 2008 and assigned U.S. Serial No. 12/163,100; and

WHEREAS, INTERNATIONAL RECTIFIER CORPORATION, a corporation organized and existing under the laws of the State of Delaware and having a principal place of business at 233 Kansas Street, El Segundo, California 90245 as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, as assignors, hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute, reissue or reexamination applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for ourselves and our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date: 11/02/08
Bo Yang

Date: _____

Jason Zhang

Date: _____

Michael A. Briere

State of _____)
County of _____) ss.:

This ____ day of _____, 20____, before me _____
personally appear _____

☐ personally known to me ☐ prove to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that he/she/they executed the same on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official Seal.

Notary Public - Seal

{00919041.1}

PATENT APPLICATION ASSIGNMENT -
SOLE / JOINT INVENTORS

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Date: _____

Bo Yang

Date: 7/28/08

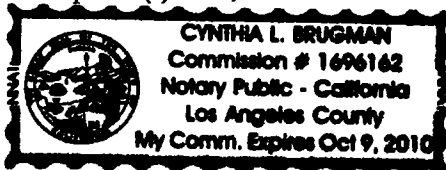
Jason Zhang

Date: _____

Michael A. Briere

State of California) ss.:
County of Los Angeles

This 28th day of July, 2008, before me Cynthia L. Brugman, Notary Public
personally appear Jason Zhang
☐ personally known to me or prove to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that he/she/they signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official Seal.

Cynthia L. Brugman
Notary Public - Seal

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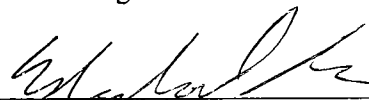
Date: _____

Bo Yang

Date: _____

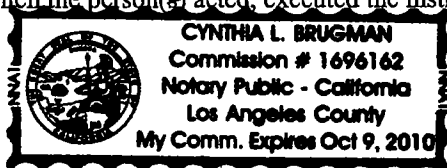
Jason Zhang

Date: 8/13/08

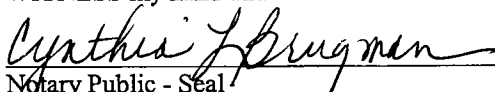

Michael A. Briere

State of California
County of Los Angeles ss.:

This 13 day of August, 2008, before me Cynthia L. Brugman, Notary Public
personally appear Michael A. Briere
☐ personally known to me ☒ prove to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that be his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official Seal.


Notary Public - Seal

{00919041.1}

RECORDED: 11/05/2008

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REEL: 021790 FRAME: 0688