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PATE

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COVER SHEET

To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

(1) Xiao-Chang CHENG
(2) Jun HONDA
(3) Dana WILHELM

Type of Entity: Individuals

Additional names(s) of conveying party(ies) attached? No

2. Name and Address of receiving party(ies):

International Rectifier Corporation
233 Kansas Street
El Segundo, California 90245

Type of Entity: Corporation-Delaware

Additional name(s) & address(es) attached? No

3. Nature of Conveyance:

Assignment

Execution Date: (1) June 30, 2005;
(2) June 14, 2005; and
(3) June 14, 2005.

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Application No.(s)

11/144,205, filed 6/2/05

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom
correspondence concerning document should
be mailed:

OSTROLENK, FABER, GERB & SOFFEN, LLP
1180 Avenue of the Americas
New York, New York 10036-8403

6. Total number of documents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

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8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached
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Lawrence A. Hoffman
Name of Person Signing

Signature

August 4, 2005

Date

Total number of pages including cover sheet, attachments, and document: 3

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PATENT
REEL: 016861 FRAME: 0025

WHEREAS, we, Xiao-Chang CHENG, Jun HONDA and Dana WILHELM as assignors, have invented certain improvements in BI-DIRECTIONAL CURRENT SENSING BY MONITORING VS VOLTAGE IN A HALF OR FULL BRIDGE CIRCUIT for which an application for United States Letters Patent has been executed by me of even date herewith; 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 or reissue 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: June 30, 2005

Xiao-Chang Cheng

Date: _____

Jun Honda

Date: _____

Dana Wilhelm

State of California
County of Los Angeles

On June 30, 2005 before me Kristina P. Hupp
personally appeared Xiao-Chang Cheng

personally known to me -- OR -- proved 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 by 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.

00702362.1

Xiao-Chang Cheng

