

01-31-2005



IR-2582 (2-4280)

PATENTS RE

102929886

ET

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):

Dave Kent - 11/1/04
Robert Montgomery - 11/1/04
Hugo Burke - 11/1/04
Jianjun Cao - 11/2/04
Kyle Spring - 11/2/04
Paul Harvey - 11/2/04

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, CA 90245

Type of Entity: Corporation-Delaware

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

3. Nature of Conveyance:

Assignment

Execution Date: 11/1/04 and 11/2/04 as shown above

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)

10/981,114
01/27/2005 DTESSEN1 00000090 10981114

40.00 DP

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: 3

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

Enclosed as part of Check No. 19315

In the event the actual fee is greater than the payment submitted or is inadvertently not enclosed or if any additional fee due is not paid, the Patent and Trademark Office is authorized to charge the underpayment to Deposit Account No. 15-0700.

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8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kourosh Salehi
Name of Person Signing

January 20, 2005
Date

Total number of pages including cover sheet, attachments, and document: 4

WHEREAS, We, Jianjun Cao and Kyle Spring along with Paul Harvey, Dave Kent, Robert Montgomery and Hugo Burke, as assignors, have invented certain improvements in TRENCH POWER MOSFET WITH REDUCED GATE RESISTANCE for which an application for United States Letters Patent has been executed by us 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, I, as assignor, 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 myself and my 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: _____

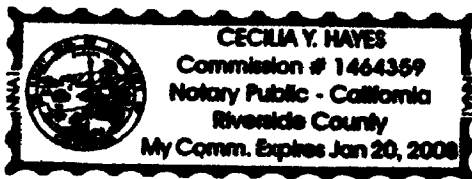
Jianjun Cao

Date: November 2, 2004

Kyle Spring
Kyle Spring

STATE OF California)
) ss.:
COUNTY OF Riverside)

This 2 day of November, 2004, before me personally came the above-named Kyle Spring, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him of his own free will for the purposes therein set forth.



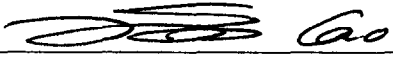
Cecilia Y. Hayes
Notary Public - Seal

WHEREAS, We, Jianjun Cao and Kyle Spring along with Paul Harvey, Dave Kent, Robert Montgomery and Hugo Burke, as assignors, have invented certain improvements in TRENCH POWER MOSFET WITH REDUCED GATE RESISTANCE for which an application for United States Letters Patent has been executed by us of even date herewith; and

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NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, as assignor, 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 myself and my 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: 11/2/04




Jianjun Cao

Date: NOVEMBER 2, 2004

Kyle Spring

STATE OF CALIFORNIA)
) ss:
COUNTY OF LOS ANGELES

This 2ND day of NOVEMBER, 2004, before me personally came the above-named JIANJUN CAO, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him of his own free will for the purposes therein set forth.



Notary Public - Seal



00674119.1

WHEREAS, we, Paul Harvey, Dave Kent, Robert Montgomery and Hugo Burke, along with Jianjun Cao and Kyle Spring as assignors, have invented certain improvements in TRENCH POWER MOSFET WITH REDUCED GATE RESISTANCE for which an application for United States Letters Patent has been executed by me of even date herewith; and

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Date: 02/NOV/2004

Paul Harvey
Paul Harvey

Date: 01-NOV-2004

Dave Kent
Dave Kent

Date: 01/NOV/04

Robert Montgomery
Robert Montgomery

Date: 01/NOV/04

Hugo Burke
Hugo Burke