IR-1821 (2-2833)



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ER SHEET

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof. 1. Name of conveying party(ies): 2. Name and Address of receiving party(ies): Kyle Spring International Rectifier Jianjun Cao Corporation Thomas Herman 233 Kansas Street El Segundo, CA 90245 Individual Corporation of Delaware Additional names(s) of conveying party(ies) attached? No Additional name(s) & address(es) attached? NO 3. Nature of conveyance: Assignment Execution Date: February 25, 2002 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: February 25, 2002 B. Patent No.(s) A. Application No.(s) Additional numbers attached? NO 6. Total number of documents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: OSTROLENK, FABER, GERB & SOFFEN, LLP 7. Total fee (37 CFR 3.41): \$ 40.00 1180 Avenue of the Americas Enclosed as part of Check No. 3552 New York, New York 10036-8403 In the event the actual fee is greater than the payment sub-mitted 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. 19-0700. DO NOT USE THIS SPACE 03/05/2002 VTRUONG1 00000040 10083060 40.00 DP 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. Samuel H. Weiner Name of Person Signing Total number of pages including cover sheet, attachments, and document: 3

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PATENT APPLICATION ASSIGNMENT. JOINT INVENTORS

OPOS FILE NO. IR-142] (7-2833)

WHEREAS, wa, Kylo Spring, Junjun Cao and Thomas Harman at assignors, have invented curtain improvements in CRPLETION INC. ANT FOR FOWER MOSHET for which as application for United States Louris Parcell has been executed by me of even day herewith; and

WHEREAS, INTERNATIONAL RECTIFIER CORPORATION A compution or protect and existing under the lasts of the Sum of Original and latering a Minerical place of business at 233 Kanner Street. El Secundo, California 90245 ed assignee, is desirous of sequiring all right, title and morrest in and to said invention and any Present that may be granted discretor.

NOW, THEREFORE, in consideration of One Dollar (\$1,00) and other good and valuable consideration, the receipt of which is hepthy admowledged. We, as assignors, hereby sell, assign and me over to said samignes the endre right, title and reserved for the Linited States and all other countries in and to said invincion and the effected application for Fatent, all original, divisional, continuation, substitute or release applications and patents applied for or granted therefor in the United Squar and all other manages, uncluding all rights of priority from the filing of said application, and all rights for past infringerand, and the Communicator of Patents and Trademarks is hereby authorized and requested to is the result of the configuration of the configura and the undersigned for namely as mid our logal representatives, have and striggs do hereby space that coverant without fittiger restauryering. We execute and holiver all divisional, continuation, retenue and other explications for Parant on said mycanique end all andamnante dierent to said excipace of it busigns, to communicate to tald excipace at its representahave all fines known to the unimericand respecting and inventions, whenever requested, to bettly in any investmences or other head proceedings to which any of suid applications or patents may become involved, to sign all lawful papers, make all rightful paths, and in the generally everything accessive to essent assigned, the accessors, assigns and accommon to abitain persont presention for said invention in the United States and all other exemptable the expenses incident to said applications to be busine and paid by said assignment

Dara:	2/25/2002	Kyle Spring
Dage	2/25/02	Jianjun Ceo
Date:		Thomas Harmen

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OFFICIAL SEAL BETTY C. NIEVAR NOTARY PUBLIC-CALIFORNIA COMM. NO. 1201344 RIVERSIDE COUNTY MY COMH. EXP. DEC. 8, 2002

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Feb-25-02 3:34PM;

Page 2

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PATENT APPLICATION ASSIGNMENT .
JOINT INVENTORS

OFGS FILE NO. IR-1821 (2-2833)

WHEREAS, we, Kyle Spring, Jianjun Cao and Thomas Herman as assignors, have invented certain improvements in <u>DEPLETION IMPLANT FOR POWER MOSFET</u> 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 Kensas Street. El Segundo, California 90245 as assigned, 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 act 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 earhs, 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.

	Kyle Spring
Date:	Jianjun Cao
Date: 2-25-02	Thomas Herman
State of California County of Los Angeles	
on February 35, 200 before me Te personally appeared Thomas He	man-Notary Public
	to me as the basis of estimators mideage to be the personic wh

personally known to me — OR — proved to me on the besis of satisfactory evidence to be the personally whose name is in the same in the sam

WITNESS my hand and official seal.

RECORDED: 02/26/2002

MICHARLEMAN Jama

TERESA R. KUMIYAMA
Commission # 1178012
Notary Public - Collegation
Los Angeles Capity
My Comm. Pipires New 30, 2002

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