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Patent & Trademark Office

To the Honorable Commissioner of Patents and Trademarks, P.O. Box 108, Washington, DC 20541

or copy thereof.



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1. Name of conveying party(ies):

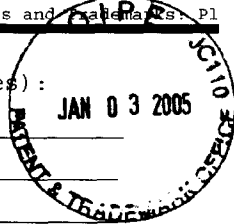
Scott A. KREPS

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

Name: RJ MEARS, LLC

Address: 1100 Winter St., Suite 4700

Waltham, MA 02451



Additional name(s) of conveying party(ies) attached () Yes (X) No

3. Nature of Conveyance:

(X) Assignment

() Merger

() Security Agreement

() Change of Name

() Other

Execution Date: 1) October 6, 2004

Additional name(s) and address(s) attached? () Yes (X) No

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. Patent application No.(s)

B. Patent No.(s)

10/940,418

Additional numbers attached? () Yes (X) No

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

Name: Christopher F. Regan, Esq.

Internal Address: Allen, Dyer,

Doppelt, Milbrath & Gilchrist, P.A.

Street Address: 255 S. Orange Ave.

P.O. Box 3791

City: Orlando

State: Florida Zip: 32802

6. Total number of applications and patents involved: [1]

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

[] Enclosed

[X] Authorized to be charged to credit card noted in the attached credit card payment form.

8. Deposit Account Number:

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If any additional extension and/or fee is required, or, if any additional fee for claims is required.

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9. Statement and signature.

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.

John F. Woodson, II

Name of Person Signing

Signature: John F. Woodson, II

December 29, 2004

Date

Total number of pages including cover sheet, attachments and document: [3] 62624

1-3-05

A S S I G N M E N T

WHEREAS, Scott A. KREPS of Southborough, Massachusetts; has made certain improvements or inventions in METHOD FOR MAKING A SEMICONDUCTOR DEVICE COMPRISING A SUPERLATTICE CHANNEL VERTICALLY STEPPED ABOVE SOURCE AND DRAIN REGIONS, for which ASSIGNOR has executed an application for United States Letters Patent filed on September 14, 2004 in the United States Patent and Trademark Office and assigned Serial No. 10/940,418; and

WHEREAS, RJ MEARS, LLC, a Delaware corporation, hereinafter referred to as ASSIGNEE, is desirous of acquiring the same;

NOW THEREFORE, This Indenture Witnesseth: That for good and valuable consideration, receipt whereof is hereby acknowledged, said ASSIGNOR does hereby sell, assign and transfer to said ASSIGNEE, its successors and assigns, all right, title and interest in and to said United States Patent application, the invention or inventions therein shown and described and any improvements on said inventions heretofore or hereafter made, any divisions or continuations of said application, and all patents, United States and foreign, to be granted upon any such application or for the invention or inventions thereof, and any reissues, continuations or extensions of said patents; and said ASSIGNOR does hereby authorize and request the Commissioner of Patents to issue all patents on said United States Patent applications or for the invention or inventions hereof, in accordance with this assignment.

And said ASSIGNOR for said consideration hereby covenant and agree that said ASSIGNOR is the owner of the full title herein conveyed and have the right to convey the same, and

