| FORM PTO-1595 | ECORDATIO | 02-11-2005 | U.S. DEPT. OF COMMERCI |
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| 1-31192 - 2-4-5 | PA | | Patent & Trademark Office |
| To the Honorable Commissioner of Patents and | | | or copy thereof. |
| OTPON. | AIO | 102939215 | |
| Name of convering part (() s) | FFR 0 | A. Name and address of recei | lving party(les): |
| SCOLL A. KREPS | | Name: RJ MEARS, LLC | |
| | | Adress: <u>1100 Winter St., S</u> | Suite 4700 |
| dditional name(s) of contractive y(les) at | tached () Yes (X) No | Waltham, MA 02451 | |
| | | - | |
| . Nature of Conveyance: | | | |
| (X) Assignme | ent | () Merger | |
| () Security | Y Agreement | () Change of Name | |
| () Other | | | |
| Execution Da | ate:1) Oct | ober 6, 2004 | |
| dditional name(s) and address(s) attached? | ()Yes (X)No | | |
| 4. Application number(s) or pate | | | |
| If this document is being filed together | with a new applica | tion, the execution date of the applic | ation is: |
| A. Patent application No.(s) | | B. Patent No.(s) | |
| 10/940,5 | 594 | | |
| 2/09/2005 FFANAEIA 00000074 10940594 | | s attached? ()Yes (X)No | |
| 1 FC:8021 40.00 00 | | s accuched. () les (x) to | |
| b. Name and address of party to w | | 6. Total number of applicati | |
| correspondence concerning docu should be mailed: | lment | and patents involve | ed: [1] |
| Name:Christopher F. Regan, | Esq. | 7. Total fee (37 CFR 3.41) | \$ 40.00 |
| Internal Address: Allen, Dye | er, | [] Enclosed | |
| Doppelt, Milbrath & Gilch | rist, P.A. | $[{f X}]$ Authorized to be char | |
| Street Address: 255 S. Orange | Ave. | in the attached cred: | it card payment form. |
| P.O. Box 3791 | | 8. Deposit Account Number: | |
| | | | 40E |
| City: Orlando djustment date: 02/09/2005, FFANGEIA | | 01-0484 | |
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| 9. Statement and signature | • | | |
| To the best of my knowled | ge and beli | ef, the foregoing info | ormation is true an |
| correct and any attached c | | | |
| | 10 d. | 1 | |
| John F. Woodson, II (| 18hu T. | Woodson M | February 2, 2005 |
| Name of Person Signing | - (J | Signature | Date |
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REEL: 016239 FRAME: 0096

ASSIGNMENT

WHEREAS, Scott A. KREPS of Southborough, Massachusetts; has made certain improvements or inventions in <u>SEMICONDUCTOR DEVICE COMPRISING A SUPERLATTICE WITH UPPER</u> <u>PORTIONS EXTENDING ABOVE ADJACENT UPPER PORTIONS OF SOURCE AND</u> <u>DRAIN REGIONS</u>, 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. 10/940,594; 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

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agree that said **ASSIGNOR** will communicate to said **ASSIGNEE** any facts known to said **ASSIGNOR** respecting said invention or inventions, and testify in any legal proceedings when called upon by said **ASSIGNEE**, sign all lawful papers deemed by said **ASSIGNEE** as expedient to vest in it the legal title herein sought to be conveyed or for the filing and prosecution of all applications and patents, United States and foreign, and otherwise aid said **ASSIGNEE**, its successors and assigns, in obtaining full patent protection on said invention and enforcing proper protection under said patents, but in every instance at the **ASSIGNEE'S** expense.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this $6t^{h}$ day of 0chber, 3004.

Scott A. KREPS

State of <u>Mass</u>: : ss. County of <u>Midlesex</u>:

On this <u>6</u>th day of <u>October</u>, 2004, before me personally appeared the above-named **ASSIGNOR**, **Scott A**. **KREPS**, to me personally known provided identification (______) as the individual who executed the foregoing assignment, and who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

My commission expires:

SEAL

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KEVIN T. MCNULTY, Notary Public My Commission Expires October 24, 2008