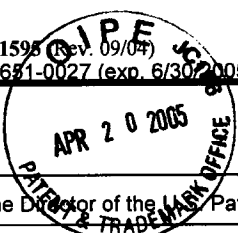


4/20/05

Form PTO-1598 (Rev. 09/04)
OMB No. 0671-0027 (exp. 6/30/2005)

04-25-2005

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



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To the Director of the United States Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Robert J. MEARS; Jean Augustin Chan Sow Fook YIP TONG;
Marek HYTHA; Scott A. KREPS; Ilija DUKOVSKI

Execution Date(s) 4/14/05

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: RJ MEARS, LLC

Internal Address: _____

Street Address: 1100 Winter Street,

Suite 4700

City: Waltham

State: MA

Country: U.S.A. Zip: 02451

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/042,272

B. Patent No.(s)

04/21/2005 DTESSEM1 00000077 11042272

02 FC:8021

40.00 OP

Additional numbers attached? ☐ Yes ☐ No

5. Name and address 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 AVENUE SUITE 1401

City: ORLANDO

State: FL Zip: 32801

Phone Number: 407-841-2330

Fax Number: 407-841-2343

Email Address: cregan@addmg.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1006

Expiration Date 11/06

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

APRIL 18, 2005

Date

CHRISTOPHER F. REGAN (62602_CIP2)

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 016477 FRAME: 0963

A S S I G N M E N T

WHEREAS, **Robert J. MEARS** of Wellesley, Massachusetts; **Jean Augustin Chan Sow Fook YIPTONG** of Worcester, Massachusetts; **Marek HYTHA** of Brookline, Massachusetts; **Scott A. KREPS** of Southborough, Massachusetts and **Ilija DUKOVSKI** of Newton, Massachusetts; hereinafter referred to as **ASSIGNORS**, have made certain improvements or inventions in a **METHOD FOR MAKING A SEMICONDUCTOR DEVICE INCLUDING MOSFET HAVING A BAND-ENGINEERED SUPERLATTICE WITH A SEMICONDUCTOR CAP LAYER PROVIDING A CHANNEL** for which **ASSIGNORS** have executed an application for United States Letters Patent filed on January 25, 2005, in the United States Patent and Trademark Office and assigned Serial No. 11/042,272; 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 **ASSIGNORS** do 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 **ASSIGNORS** do 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 **ASSIGNORS** for said consideration hereby covenants and agrees that said **ASSIGNORS** are the owners of the full title herein conveyed and have the right to convey the same, and agree that said **ASSIGNORS** will communicate to said ASSIGNEE any facts known to said **ASSIGNORS** 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, we have hereunto set our hands and seal on the date listed below.

4/14/2005
Date

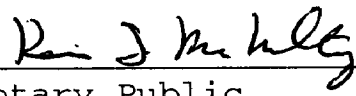


Robert J. MEARS

State of Massachusetts :
: ss.
County of Middlesex :

On this 14th day of April, 2005,
before me personally appeared the above-named ASSIGNOR, **Robert J. MEARS**, (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.

S E A L



Notary Public
My commission expires:

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

4/14/05
Date

Jean Augustin Chan Sow Fook
YIPTONG

State of Massachusetts :
: SS.
County of Middlesex :

On this 14th day of April, 2005,
before me personally appeared the above-named ASSIGNOR, **Jean Augustin Chan Sow Fook YIPTONG**, (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.

S E A L

Kevin J. McNulty
Notary Public
My commission expires:

KEVIN T. McNULTY, Notary Public
My Commission Expires October 24, 2003

4/14/05
Date

Marek Hytha
Marek HYTHA

State of Massachusetts :
: SS.
County of Middlesex :

On this 14th day of April, 2005,
before me personally appeared the above-named ASSIGNOR, **Marek HYTHA**, (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.

S E A L

Kevin J. McNulty
Notary Public
My commission expires:

KEVIN T. McNULTY, Notary Public
My Commission Expires October 24, 2003

62602-C1P2

Scott A. Kreps

Rene J. Mohrly
Notary Public
My commission expires:

My commission expires:

[Signature]
Milija DUKOVSKI

Ron J. Kulez
Notary Public
My commission expires:

PATENT
REEL: 016477 FRAME: 0967