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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Customer No. 23910

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying parties:
(1.) Michael Rowlandson, and (2.) Andrew Horch
Additional name(s) of conveying party(ies) attached? Yes No
5.7.02

2. Name and address of receiving party(ies):
Name: Lattice Semiconductor Corporation
Address: 5555 N.E. Moore Court
Hillsboro, California 97124-6421

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: (1.) March 19, 2002, and (2.) March 25, 2002

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

4. Application number(s) or patent number(s):
A. Patent Application No.: 10/059,624
B. Confirmation No.: 5296
Title: **Non-Volatile Memory Element Having A Cascoded Transistor Scheme To Reduce Oxide Field Stress**
Filed Date: January 29, 2002

C. Patent No(s):
Additional numbers attached? Yes No
If this document is being filed together with a new application, the execution date of the application is: _____

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: MARTIN C. FLIESLER
Address: Fliesler Dubb Meyer & Lovejoy LLP
Four Embarcadero Center, Fourth Floor
San Francisco, CA 94111
Telephone: (415) 362-3800

6. Total Number of applications and patents involved: 1 X \$40.00 each
7. Total fee (37 CFR 3.41).....\$ 40.00
 Check Enclosed
8. Fee Authorization. Authorization is given to charge any additional fees or credit any overpayment to Deposit Account No. 06-1325.
Copy. (A duplicate copy of this authorization is **not** enclosed.)

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.
THOMAS A. WARD Thomas A. Ward 4/24/02
Attorney (Reg. No.: 35,732) Signature Date

10. Total number of pages to be recorded: 3 (1 page cover sheet and 2 page document).

05/08/2002 00:00:01 10/059624
02 FD:581 40.00 BP
Attorney Docket No.: LATC-01037USO MCF/TAW
taw/lac/1037/1037.103.wpd

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

(1) Michael Rowlandson,
a resident of Portland, Oregon; and

(2) Andrew Horch,
a resident of Sunnyvale, California;

have invented certain new and useful improvements in:

NON-VOLATILE MEMORY ELEMENT HAVING A CASCODED TRANSISTOR SCHEME TO REDUCE OXIDE FIELD STRESS

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention.

WHEREAS Lattice Semiconductor Corporation (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at 5555 N.E. Moore Court; Hillsboro 97124-6421, State of Oregon, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date of acknowledgment before the Notary Public as given below and delivered this instrument to said Assignee:

Said application having Appl. Number 10/059,624 and filed on the 29th day of January, 2002.

Date of Execution of Assignment: 19 March 2002

(1) [Signature]
(Inventor's Signature)

State of OREGON

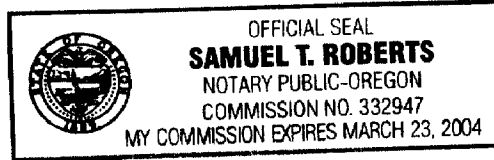
County of WASHINGTON

On MARCH 19, 2002 before me, SAMUEL T. ROBERTS, NOTARY PUBLIC
(name and title of officer)

personally appeared Michael Rowlandson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Samuel T Roberts



Said application having Appl. Number 10/059,624 and filed on the 29th day of January, 2002.

Date of Execution of Assignment: 25 March, 2002

(2) [Signature]
(Inventor's Signature)

State of California

County of Santa Clara

On 3/25/02 before me, Michele L Reed Notary
(name and title of officer)

personally appeared Andrew Horch, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.

Signature Michele Reed

