

10-10-2001



ET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Customer No. 23910

101868624

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

1. Name of conveying party(ies):

Xiaojie (Warren) He
Claudia A. Stanley
Larry R. Metzger

9.27.01

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

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 09/13/01

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

Name: Lattice Semiconductor Corporation

Address: 5555 Northeast Moore Court

Hillsboro, Oregon 97124-6421

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

4. Application number(s) or patent number(s):

A. Patent Application No.: 09/927,793

B. Confirmation No.: (not-yet-assigned)

Title: Enhanced Macrocell Module Having
Expandable Product Term Sharing Capability
For Use In High Density CPLD Architectures

Filed Date: 08/10/01

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 G. Fliesler, Esq.

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.

Gideon Gimlan

Attorney (Reg. No.: 31,955)

Signature

Date

[Handwritten Signature]

9/20/01

10. Total number of pages to be recorded: 6 (1 page cover sheet and 5 page document).

10/09/2001 LMUELLER 00000094 09927793

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40.00 OP

Attorney Docket No.: LATC-01044USCMCF/GGG
ggg/vant/1044.019.wpd

- 1 -

260.001:060101
09/19/01-15:27PATENT
REEL: 012221 FRAME: 0410

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned Inventors:

- (1) Om P. Agrawal
a resident of 891 Highlands Circle, Los Altos, California 94024; and
- (2) Xiaojie (Warren) He
a resident of 13329 Tamayo Drive, Austin, Texas 78729; and
- (3) Claudia A. Stanley
a resident of 12711 Marimba Trail, Austin, Texas 78729; and
- (4) Larry R. Metzger
a resident of 7909 Shantivana Trail, Austin, Texas 78737; and
- (5) Chong M. Lee
a resident of 3842 Whisper Hollow Drive, Colorado Springs, Colorado 80920

have invented certain new and useful improvements in:

ENHANCED MACROCELL MODULE HAVING EXPANDABLE PRODUCT TERM SHARING CAPABILITY FOR USE IN HIGH DENSITY CPLD ARCHITECTURES

and have executed a declaration or oath for an application Serial No. 09/927,793, filed August 10, 2001, 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 Northeast Moore Court, Hillsboro, 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 acknowledgement before the Notary Public as given below and delivered this instrument to said Assignee on the _____ day of _____, 2001;

Date of Execution of Declaration for Patent Application: _____

(1) _____
(Inventor's Signature) Om P. Agrawal

State of _____)
County of _____)

On _____ before me, _____
(name and title of officer)

personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

Date of Execution of Declaration for Patent Application: _____

(2) _____
(Inventor's Signature) Xiaojie (Warren) He

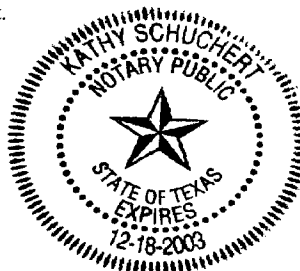
State of Texas)
County of Travis)

On 9-13-01 before me, Kathy Schuchert, Notary Public,
(name and title of officer)

personally appeared Xiaojie (Warren) He, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature Kathy Schuchert



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Attorney Docket No.: LATC-01044US0MCF/GGG
ggg/vant/1044.009d.wpd

251.001:060101
08/24/01-14:53

PATENT
REEL: 012221 FRAME: 0413

Date of Execution of Declaration for Patent Application: _____

(3) Claudia A. Stanley
(Inventor's Signature) Claudia A. Stanley

State of Texas

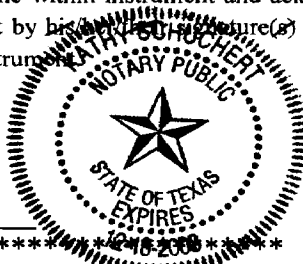
County of Travis

On 9-13-01 before me, Kathy Schuchert, Notary Public
(name and title of officer)

personally appeared Claudia A. Stanley, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature Kathy Schuchert



Date of Execution of Declaration for Patent Application: _____

(4) Larry R. Metzger
(Inventor's Signature) Larry R. Metzger

State of Texas

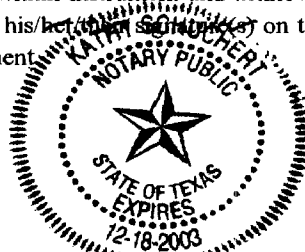
County of Travis

On 9-13-01 before me, Kathy Schuchert, Notary Public
(name and title of officer)

personally appeared Larry R. Metzger, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature Kathy Schuchert



Date of Execution of Declaration for Patent Application: _____

(5) _____

(Inventor's Signature) Chong M. Lee

State of _____)

County of _____)

On _____ before me, _____,

(name and title of officer)

personally appeared _____, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

Page 5

Attorney Docket No.: LATC-01044US0MCF/GGG
ggg/vant/1044.009d.wpd

251.001:060101
08/24/01-14:53

RECORDED: 09/27/2001

PATENT
REEL: 012221 FRAME: 0415