

Form PTO-1596 (Rev. 03/05)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
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## RECORDATION FORM COVER SHEET PATENTS ONLY

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

**1. Name of conveying party(ies)**

Om P Agrawal; Fabiano Fontana; Gilles M Bosco

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 10/10/02; 10/31/02; 11/11/02

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: Lattice Semiconductor Corporation

Internal Address: \_\_\_\_\_

Street Address: 5555 NE Moore Ct

City: Hillsboro

State: OR

Country: USA Zip: 97124

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

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

A. Patent Application No.(s)

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

B. Patent No.(s)

6,838,904

Additional numbers attached? ☐ Yes ☒ No

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

Name: Mark L Becker

Internal Address: Lattice Semiconductor Corporation

Street Address: 5555 NE Moore Ct

City: Hillsboro

State: OR

Zip: 97124

Phone Number: 503-268-8629

Fax Number: 503-268-8077

Email Address: mark.becker@latticesemi.com

**6. Total number of applications and patents involved:**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** 40

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

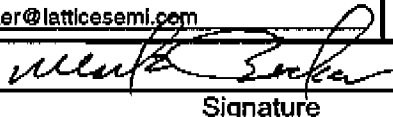
**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date \_\_\_\_\_

b. Deposit Account Number 501958

Authorized User Name Mark L Becker

**9. Signature:**

  
 Signature

4/14/05  
 Date

Mark L Becker  
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

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

CH \$40.00 501958 6838904

201-00801

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PATENT  
REEL: 016069 FRAME: 0140

**JOINT TO CORPORATE ASSIGNMENT**

WHEREAS, the undersigned Inventors:

- (1) **OM P. AGRAWAL**  
a resident of 891 Highlands Circle, Los Altos, California 94024; and
- (2) **FABIANO FONTANA**  
a resident of 2372 Heritage Drive, San Jose, California 95124; and
- (3) **GILLES M. BOSCO**  
a resident of 1919 Fruitdale Avenue, San Jose, California 95128; and

have invented certain new and useful improvements in:

**ENHANCED CPLD MACROCELL MODULE HAVING SELECTABLE BYPASS OF  
STEERING-BASED RESOURCE ALLOCATION AND METHODS OF USE**

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention, said application having SC/Serial Number 10/219,046 and filed on the 13th day of August, 2002.

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 97124-6421, 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:

Date of Execution of Declaration for Patent Application: 10/10/02

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

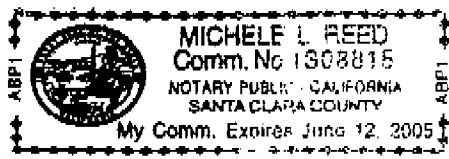
State of California  
County of Santa Clara

On October 10 2002 before me, Michele L. Reed  
(name and title of officer)

personally appeared Om P. Agrawal, 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 *Michele L. Reed*



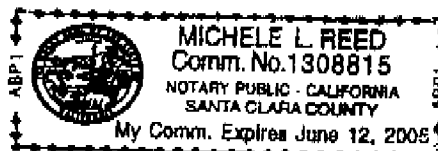
\*\*\*\*\*

Date of Execution of Declaration for Patent Application: 10/31/02

(2)

Fabiano Fontana  
(Inventor's Signature) Fabiano FontanaState of CaliforniaCounty of Santa ClaraOn October 31 2002 before me, Michele L. Reed  
(name and title of officer)personally appeared Fabiano Fontana, 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 Michele L. Reed

\*\*\*\*\*

Date of Execution of Declaration for Patent Application: 11-8-02

(3)

Gilles M. Bosco  
(Inventor's Signature) Gilles M. BoscoState of CaliforniaCounty of Santa ClaraOn November 11 2002 before me, Michele L. Reed Notary  
(name and title of officer)personally appeared Gilles M. Bosco, 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 Michele L. Reed