

FORM PTO-1595 (Rev. 09/04)  
OMB-0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

# 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.


<p>1. Name of conveying party(ies)/Execution Date:</p> <p><b>William B. Andrews</b> <b>Larry R. Fenstermaker</b> <b>John Schadt</b> <b>Mou C. Lin</b></p> <p>Execution Date: <u>12/14/04; 12/14/04; 12/14/04; 12/14/04</u></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Government Interest Assignment  <input type="checkbox"/> Executive Order 9424, Confirmatory License  <input type="checkbox"/> Other _____</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Lattice Semiconductor Corporation</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>5555 N.E. Moore Ct.</u></p> <p>City: <u>Hillsboro</u></p> <p>State: <u>OR</u></p> <p>Country: <u>USA</u> Zip: <u>97124-6421</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
---	--

4. Application or patent number(s):  This document is being filed together with a new application.

A. Patent Application No.(s) 11/012,550 B. Patent No. (s) \_\_\_\_\_

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Steve Mendelsohn</u></p> <p>Internal Address: <u>Mendelsohn &amp; Associates, P.C.</u></p> <p>Street Address: <u>1515 Market Street</u> <u>Suite 715</u></p> <p>City: <u>Philadelphia</u></p> <p>State: <u>PA</u> Zip: <u>19102</u></p> <p>Phone Number: <u>215-557-8656</u></p> <p>Fax Number: <u>215-557-8477</u></p> <p>Email Address: _____</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ <u>\$40.00</u></p> <p><input type="checkbox"/> Authorized to be charged by credit card  <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Enclosed  <input type="checkbox"/> None required (government interest not affecting title)</p> <p>8. Payment Information:</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number <u>50-0782</u> Authorized User Name: <u>Steve Mendelsohn</u></p>
--	---

9. Signature: Steve Mendelsohn  1/21/05

Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 6

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, VA 22313-1450

Attorney Docket No.: 1054.032  
Lattice Ref.: L04-040/L04-054  
700147437

PATENT  
REEL: 015611 FRAME: 0411

CH \$40.00 500782 11012550

FROM :LATTICE SEMI-ALLENTOWN

FAX NO. :6103325531

Dec. 14 2004 11:54AM P8

Customer No.: 22186  
Lattice Ref.: L04-040/L04-054

Attorney Docket No. 1054.032

## ASSIGNMENT AND AGREEMENT

For value received, I, as a below-named inventor:

**William B. Andrews** of **Emmaus** in the State of Pennsylvania,  
**Larry R. Fenstermaker** of **Nazareth** in the State of Pennsylvania,  
**John Schadt** of **Bethlehem** in the State of Pennsylvania,  
**Mou C. Lin** of **High Bridge** in the State of New Jersey,

hereby sell, assign and transfer to Lattice Semiconductor Corporation, a corporation of the State of Delaware, having an office at 5555 N.E. Moore Ct., Hillsboro, Oregon 97124-6421, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **INTERFACE CIRCUITRY FOR ELECTRICAL SYSTEMS** described in an application for Letters Patent of the United States, executed by me of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Lattice Semiconductor Corporation the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Lattice Semiconductor Corporation to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lattice Semiconductor Corporation to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Lattice Semiconductor Corporation in the United States and in all countries foreign to the United States, or to such nominees as Lattice Semiconductor Corporation may designate.

**PATENT**  
**REEL: 015611 FRAME: 0412**

FROM : LATTICE SEMI-ALLENTOWN

FAX NO. : 6103325531

Dec. 14 2004 11:55AM P12

Customer No.: 22186  
Lattice Ref.: L04-040/L04-054

Attorney Docket No. 1054.032

2

I agree that, when requested, I shall, without charge to Lattice Semiconductor Corporation but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

  
\_\_\_\_\_  
William B. Andrews

Date: 12-14-04

United States of America )

State of PA ) ss.:

City of Bethlehem )

On this 14<sup>th</sup> day of December, 2004, before me personally came **William B. Andrews**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
\_\_\_\_\_  
Notary Public

Notarial Seal  
Sharon L. Brunovsky, Notary Public  
City of Bethlehem, Northampton County  
My Commission Expires Nov. 18, 2006

FROM :LATTICE SEMI-ALLENTOWN

FAX NO. :6103325531

Dec. 14 2004 11:55AM P11

Customer No.: 22186  
Lattice Ref.: L04-040/L04-054

Attorney Docket No. 1054.032

3

*Larry R. Fenstermaker*  
Larry R. Fenstermaker

Date: 12-14-04

United States of America )

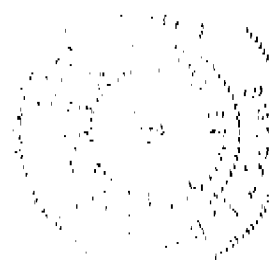
State of PA ) ss.:

County of Northampton )

On this 14<sup>th</sup> day of December, 2004, before me personally came Larry R. Fenstermaker, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Sharon L. Brunovsky*  
Notary Public

Notary Seal  
Sharon L. Brunovsky, Notary Public  
City of Bethlehem, Northampton County  
My Commission Expires Nov. 15, 2006



FROM : LATTICE SEMI-ALLENTOWN

FAX NO. : 6103325531

Dec. 14 2004 11:55AM P10

Customer No.: 22186  
Lattice Ref.: L04-040/L04-054

Attorney Docket No. 1054.032

4

John A. Schadt  
John Schadt

Date: 12-14-04

United States of America )

State of PA ) ss.:

County of Northampton,

On this 14<sup>th</sup> day of December, 2004, before me personally came John Schadt, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Sharon L. Brunovsky  
Notary Public

Notarial Seal  
Sharon L. Brunovsky, Notary Public  
City of Bethlehem, Northampton County  
My Commission Expires Nov. 18, 2006



FROM :LATTICE SEMI-ALLENTOWN

FAX NO. :6103325531

Dec. 14 2004 11:55AM P9

Customer No.: 22186  
Lattice Ref.: L04-040/L04-054

Attorney Docket No. 1054.032

5

*Mou C. Lin*

Mou C. Lin

Date: 12-14-04

United States of America )

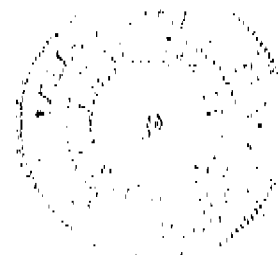
State of PA ) ss.:

County of Northampton )

On this 14th day of December, 2004, before me personally came Mou C. Lin, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Sharon L. Brunovsky*  
Notary Public

Notarial Seal  
Sharon L. Brunovsky, Notary Public  
City of Bethlehem, Northampton County  
My Commission Expires Nov. 18, 2006



Lattice Semiconductor Corporation  
5555 N.E. Moore Ct.  
Hillsboro, Oregon 97124-6421

PATENT