

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)
 Dipankar Bhattacharya; Makeswar Kothandaraman; John Kriz;
 Jeffrey Nagy; Yehuda Smooha; Pankaj Kumar

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

2. Name and address of receiving party(ies)
 Name: LSI Corporation
 Internal Address: _____

 Street Address: 1621 Barber Lane

 City: Milpitas
 State: CA
 Country: _____ Zip: 95035
 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) 03/31/09; 04/02/09

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
 A. Patent Application No.(s)
12/428,556

Additional numbers attached? Yes No

B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:
 Name: William R. Thomas
 Internal Address: IP Legal Services, LLC

 Street Address: 1500 Lancaster Avenue; Suite 100
PO Box 1027
 City: Paoli
 State: PA Zip: 19301
 Phone Number: 610-640-9350
 Fax Number: 610-640-9353
 Email Address: will.thomas@ip-legal-svcs.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 _____
 Expiration Date _____
 b. Deposit Account Number 50-4386
 Authorized User Name Ian M. Hughes

9. Signature: Wendy Reczek 04/23/09

 Signature Date

Wendy Reczek, Paralegal
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 504386 12428556

Customer No.: 74402

Attorney Docket No. Bhattacharya 31-32-34-1-8-40

ASSIGNMENT AND AGREEMENT

For value received, we, as a below-named inventors:

Dipankar Bhattacharya of Macungie in the County of **Lehigh** and State of **PA**,
Makeshwar Kothandaraman of Whitehall in the County of **Lehigh** and State of **PA**,
John Kriz of Palmerton in the County of **Carbon** and State of **PA**,
Jeffrey Nagy of Allentown in the County of **Lehigh** and State of **PA**,
Yehuda Smooha of Allentown in the County of **Lehigh** and State of **PA**,
Pankaj Kumar of Bangalore in the Country of **India**

hereby sell, assign and transfer to LSI Corporation, a corporation of the State of Delaware, having an office at 1621 Barber Lane, Milpitas, CA 95035, U.S.A., 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 **I/O BUFFER WITH LOW VOLTAGE SEMICONDUCTOR DEVICES**, described in an application for Letters Patent of the United States, executed by us 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 we also concurrently hereby sell, assign and transfer to LSI 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.

We authorize LSI 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 us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We 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 LSI Corporation to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

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

Customer No.: 74402

Attorney Docket No.
Bhattacharya 31-32-34-1-8-40

We agree that, when requested, we shall, without charge to LSI 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.

Dipankar Bhattacharya
Dipankar Bhattacharya

Date: 03/31/2009

United States of America)

State of Pennsylvania)

County of Lehigh)

On this 31st day of March, 2009, before me personally came **Dipankar Bhattacharya**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Joanne M. Pukaszyn, Notary Public
Hanover Twp., Lehigh County
My Commission Expires Jan. 20, 2010
Member, Pennsylvania Association of Notaries

Joanne M. Pukaszyn

Customer No.: 74402

Attorney Docket No.
Bhattacharya 31-32-34-1-8-40

Makeshwar Kothandaraman
Makeshwar Kothandaraman

Date: 03/31/2009

United States of America)

State of Pennsylvania)

County of Lehigh)

On this 31st day of March, 2009, before me personally came **Makeshwar Kothandaraman**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Joanna M. Pukszyn, Notary Public
Hanover Twp., Lehigh County
My Commission Expires Jan. 20, 2010
Member, Pennsylvania Association of Notaries

Joanna M. Pukszyn

John Kriz
John Kriz

Date: 3/31/09

United States of America)

State of Pennsylvania)

County of Lehigh)

On this 31st day of March, 2009, before me personally came **John Kriz**, to me known to be the individual described in and who executed the

Customer No.: 74402

Attorney Docket No.

Bhattacharya 31-32-34-1-8-40

foregoing instrument, and acknowledged execution of the same.

Joanna M. Pukczyn

Jeffrey Nagy
Jeffrey Nagy

COMMONWEALTH OF PENNSYLVANIA
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Hanover Twp., Lehigh County
My Commission Expires Jan. 20, 2010
Member, Pennsylvania Association of Notaries

Date: 3/31/09

United States of America)

State of *Pennsylvania*)

County of *Lehigh*)

On this 31st day of March, 2009, before me personally came Jeffrey Nagy, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Joanna M. Pukczyn

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Member, Pennsylvania Association of Notaries

Yehuda Smooha
Yehuda Smooha

Date: 3/31/2009

United States of America)

State of *Pennsylvania*)

County of *Lehigh*)

On this 31st day of March, 2009, before me personally came Yehuda Smooha, to me known to be the individual described in and who executed the

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Attorney Docket No.

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foregoing instrument, and acknowledged execution of the same.

Joanne M. Pukszyn

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 Joanne M. Pukszyn, Notary Public
 Hanover Twp., Lehigh County
 My Commission Expires Jan. 20, 2010
 Member, Pennsylvania Association of Notaries

Pankaj Kumar

Date: _____

India)

Country of)

On this _____ day of _____, 20 ____, before me personally came **Pankaj Kumar**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


LSI Corporation
 Legal - IP
 1621 Barber Lane, MS D-106
 Milpitas, CA 95035

Customer No.: 74102

Attorney Docket No.

Bhattacharya 31-32-34-1-8-40

foregoing instrument, and acknowledged execution of the same.



Pankaj Kumar

Date: 04/02/2009

India)

Country of)

On this Second day of April, 2009, before me personally came **Pankaj Kumar**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

LSI Corporation
Legal - IP
1621 Barber Lane, MS D-106
Milpitas, CA 95035

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PATENT

RECORDED: 04/23/2009

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