

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Vijayalakshmi Kanthamneni	07/28/2009
Ravi Krishnaswamy	07/27/2009
Ning Li	07/28/2009
Donna M. Nemshick	07/28/2009
Tim Reinhard	07/28/2009
Steven Rothweiler	07/30/2009
Robert L. Smigielski	07/30/2009
Martin Trew	08/08/2009
Swaminathan Venkatakrishnaprasad	07/27/2009
Wen Wang	07/08/2009
Jay P. Wilshire	07/28/2009

RECEIVING PARTY DATA

Name:	LSI Corporation
Street Address:	1621 Barber Lane
City:	Milpitas
State/Country:	CALIFORNIA
Postal Code:	95035

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12539689

CORRESPONDENCE DATA

Fax Number: (215)557-8477
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: (215) 557-6656
 Email: gerrym@mendelip.com
 Correspondent Name: Steve Mendelsohn

OP \$40.00 12539689

500934878

**PATENT
 REEL: 023089 FRAME: 0543**

Address Line 1: Mendelsohn, Drucker, & Associates, P.C.
Address Line 2: 1500 John F. Kennedy Blvd., Suite 405
Address Line 4: Philadelphia, PENNSYLVANIA 19102

ATTORNEY DOCKET NUMBER:

KANTHAMNENI 1-1-1-1-1-1

NAME OF SUBMITTER:

Steve Mendelsohn

Total Attachments: 12

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ASSIGNMENT AGREEMENT

I, **Vijayalakshmi Kanthamneni, Ravi Krishnaswamy, Ning Li, Donna M. Nemshick, Tim Reinhard, Steven Rothweiler, Robert L. Smigielski, Martin Trew, Swaminathan Venkatakrisnnaprasad, Wen N. Wang, and Jay P. Wilshire**, hereby declare that I am the sole inventor (if only one inventor is named) or a joint inventor (if plural inventors are named) of the inventions related to:

N+1 PROTECTION USING A PROCESSOR-BASED PROTECTION DEVICE

as described in an application for Letters Patent of the United States of America filed on _____ and assigned Serial No. ____ / _____, or if not identified here by filing date and Serial number, executed by me on even date with my execution of this Assignment Agreement.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I 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, United States of America, and its successors, assigns and legal representatives (collectively "Assignee"), my entire right, title and interest, for the United States and all foreign countries, in and to the inventions and all the rights and privileges under any and all Letters Patent that may be granted therefore, including any divisionals, continuations, reissues and extensions thereof.

I agree that when requested I will, without charge to Assignee but at its expense, sign all papers,, take all rightful oaths, make all rightful declarations and do all acts which may be necessary,, desirable or convenient for securing and maintaining patents or other forms of protection for the inventions in any and all countries and for vesting title thereto in Assignee.

I agree that I will communicate to Assignee or its representatives any facts known to me respecting the inventions, and when requested by Assignee I will testify in any legal proceedings relating to the inventions at Assignee's expense, and generally do everything possible to aid Assignee to obtain or enforce proper protection for the inventions in any and all countries.

I authorize and empower Assignee to make applications for patent or other form of protection for the inventions in Assignee's own name, or in my name, in any and all countries, and to invoke and claim for any application for patent or other form of protection for the inventions filed by Assignee the benefit of all rights of priority provided by any and all treaties, conventions or agreements without further written or oral authorization from me.

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

I covenant with Assignee that, to the best of my knowledge, the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

I authorize attorneys for Assignee to insert the filing date and serial number into this assignment after the application for Letters Patent has been filed and a serial number has been assigned to such application.

This assignment supersedes all other assignments, agreements and addendums related to the inventions referenced herein.

File No.: Kanthamneni 1-1-1-1-1-1-1-1-1-8

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

FIRST INVENTOR

Vijayalaxmi Kanthamneni
Vijayalaxmi Kanthamneni

Date: July 28, 2009

United States of America)

State of Penn) ss.:

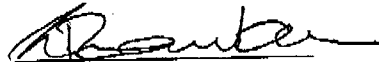
County of Lehigh)

On this 28th day of July, 20 09, before me personally came Vijayalaxmi Kanthamneni, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen M. Micheletti
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
DOREEN M. MICHELETTI, Notary Public
City of Allentown, Lehigh County
My Commission Expires October 30, 2012

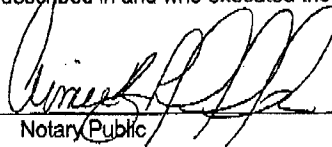
SECOND INVENTOR

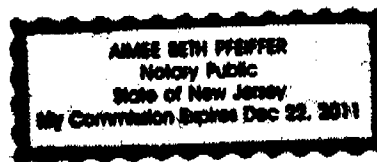

Ravi Krishnaswamy

Date: JULY 27 2009

United States of America)
State of New Jersey)ss.:
County of Warren)

On this 27th day of July, 2009, before me personally came **Ravi Krishnaswamy**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public



THIRD INVENTOR

Ning Li
Ning Li

Date: 7/28/2009

United States of America)

State of Penna) ss.:

County of Lehigh)

On this 28th day of July, 2009, before me personally came **Ning LI**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen M. Micheletti
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
DOREEN M. MICHELETTI, Notary Public
City of Allentown, Lehigh County
My Commission Expires October 30, 2012



FOURTH INVENTOR

Donna M Nemshick
Donna M. Nemshick

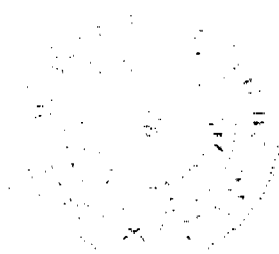
Date: 07-28-2009

United States of America)
State of Penn) ss.:
County of Lehigh)

On this 28th day of July, 20 09, before me personally came **Donna M. Nemshick**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen M. Micheletti
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
DOREEN M. MICHELETTI, Notary Public
City of Allentown, Lehigh County
My Commission Expires October 30, 2012



FIFTH INVENTOR

Tim Reinhard

Tim Reinhard

Date: 7/28/09

United States of America)

State of Pennva) ss.:

County of Lehigh)

On this 28th day of July, 2009, before me personally came **Tim Reinhard**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen M. Micheletti
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
DOREEN M. MICHELETTI, Notary Public
City of Allentown, Lehigh County
My Commission Expires October 30, 2012

SIXTH INVENTOR

Steven G. Rothweiler
Steven Rothweiler
G.
SAR
Date: 7/30/2009

United States of America)
State of Pennsylvania) ss.:
County of Lehigh)

On this 30th day of July, 20 09, before me personally came **Steven Rothweiler**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen M. Micheletti
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
DOREEN M. MICHELETTI, Notary Public
City of Allentown, Lehigh County
My Commission Expires October 30, 2012



SEVENTH INVENTOR

Robert L. Smigielski
Robert L. Smigielski

Date: 07/30/2009

United States of America)
State of Penna) ss.:
County of Lehigh)

On this 30th day of July, 20 09, before me personally came **Robert L. Smigielski**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen M. Micheletti
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
DOREEN M. MICHELETTI, Notary Public
City of Allentown, Lehigh County
My Commission Expires October 30, 2012

EIGHTH INVENTOR




Martin Trew

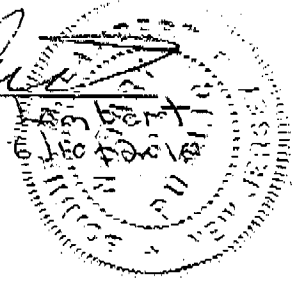
Date: 8/8/09

United States of America)
State of New Jersey) ss.:
County of Morris)

On this 8th day of August, 2009, before me personally came **Martin Trew**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public Bonnie Lambert
My Comm. Expires: 11/1/10



File No.: Kanthamneni 1-1-1-1-1-1-1-1-1-8

NINTH INVENTOR

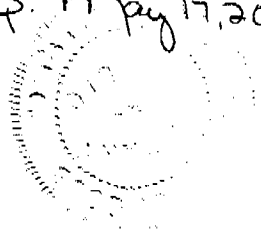
V. Swaminathan
Swaminathan Venkatakrishnaprasad

Date: 07-27-09

United States of America)
State of North Carolina) ss.:
County of Union)

On this 27th day of July, 2009, before me personally came **Swaminathan Venkatakrishnaprasad**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public
My Commission exp. May 17, 2014



File No.: Kanthamneni 1-1-1-1-1-1-1-1-1-8

TENTH INVENTOR

Wen Wang
Wen Wang

Date: 7/8/09

United States of America)
State of Virginia) ss.:
~~City~~)
County of Charlottesville)

On this 8th day of July, 2009, before me personally came **Wen Wang**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Darin W. Garrison
Notary Public

DARIN W. GARRISON
NOTARY PUBLIC
Commonwealth of Virginia
Reg. #101737
My Commission Expires 7-3-11

ELEVENTH INVENTOR

Jay P. Wilshire
Jay P. Wilshire

Date: 7/28/09

United States of America)
State of *Penn*) ss.:
County of *Lehigh*)

On this 28th day of July, 20 09, before me personally came Jay P. Wilshire, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen M. Micheletti
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
DOREEN M. MICHELETTI, Notary Public
City of Allentown, Lehigh County
My Commission Expires October 30, 2012

