

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Anatoli Bolotov</td> <td>02/26/2009</td> </tr> <tr> <td>Mikhail Grinchuk</td> <td>02/26/2009</td> </tr> <tr> <td>Lav Ivanovic</td> <td>02/26/2009</td> </tr> <tr> <td>Christine E. Severns-Williams</td> <td>02/26/2009</td> </tr> </tbody> </table>		Name	Execution Date	Anatoli Bolotov	02/26/2009	Mikhail Grinchuk	02/26/2009	Lav Ivanovic	02/26/2009	Christine E. Severns-Williams	02/26/2009		
Name	Execution Date												
Anatoli Bolotov	02/26/2009												
Mikhail Grinchuk	02/26/2009												
Lav Ivanovic	02/26/2009												
Christine E. Severns-Williams	02/26/2009												
<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>LSI CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1621 Barber Lane</td> </tr> <tr> <td>Internal Address:</td> <td>MS D-105</td> </tr> <tr> <td>City:</td> <td>Milpitas</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95035</td> </tr> </table>		Name:	LSI CORPORATION	Street Address:	1621 Barber Lane	Internal Address:	MS D-105	City:	Milpitas	State/Country:	CALIFORNIA	Postal Code:	95035
Name:	LSI CORPORATION												
Street Address:	1621 Barber Lane												
Internal Address:	MS D-105												
City:	Milpitas												
State/Country:	CALIFORNIA												
Postal Code:	95035												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12673022</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12673022								
Property Type	Number												
Application Number:	12673022												
<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (970)492-1101  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 970-492-1100        Email: pamc@patentlegal.com        Correspondent Name: COCHRAN FREUND &amp; YOUNG LLC        Address Line 1: 2026 Caribou Drive        Address Line 2: Suite 201        Address Line 4: Fort Collins, COLORADO 80525</p>													
ATTORNEY DOCKET NUMBER:	LSI.145USU1 (08-0959)												
NAME OF SUBMITTER:	Pamela Calderwood												

CH \$40.00 12673022

**501275690**

**PATENT**  
**REEL: 024903 FRAME: 0892**

Total Attachments: 4

source=LSI145USU1\_Assignment#page1.tif

source=LSI145USU1\_Assignment#page2.tif

source=LSI145USU1\_Assignment#page3.tif

source=LSI145USU1\_Assignment#page4.tif

## ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to LSI CORPORATION (hereinafter Assignee), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to Assignee, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

# CIPHER INDEPENDENT INTERFACE FOR CRYPTOGRAPHIC HARDWARE SERVICE

Filing date: 11 February 2010 Application No.: 12/673,022

and the invention(s) and improvement(s) set forth therein, and any and all provisionals, non-provisionals, continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letter Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/We additionally authorize Assignee to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to Assignee, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to Assignee or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Assignee.

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to Assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct Assignee's attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal)  
Inventor's Typed Name: ANATOLI BOLOTOV

Date Assignment Signed: 02/26/2009

State of )  
 ) ss.:  
County of )

Before me this \_\_\_\_ day of \_\_\_\_\_, 2009, personally appeared ANATOLI BOLOTOV who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public  
My commission expires:

# PATENT APPLICATION

**PATENT**  
**REEL: 024903 FRAME: 0895**

PATENT APPLICATION  
DOCKET NOS.: LSI.145USP1/LSI.145WOUI/LSI.145USU1 (08-0959)

Date Assignment Signed: \_\_\_\_\_

Inventor's Signature (Seal)

Inventor's Typed Name: MIKHAIL GRINCHUK

State of )

) ss.:

County of )

Before me this \_\_\_\_ day of \_\_\_\_\_, 2009, personally appeared MIKHAIL GRINCHUK who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public

My commission expires: \_\_\_\_\_

Date Assignment Signed: \_\_\_\_\_

Inventor's Signature (Seal)

Inventor's Typed Name: LAV IVANOVIC

State of )

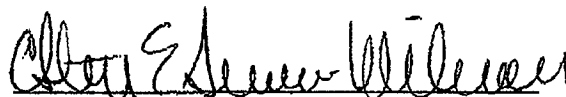
) ss.:

County of )

Before me this \_\_\_\_ day of \_\_\_\_\_, 2009, personally appeared LAV IVANOVIC who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public

My commission expires: \_\_\_\_\_

Date Assignment Signed: February 26, 2009

Inventor's Signature (Seal)

Inventor's Typed Name: CHRISTINE E. SEVERNS-WILLIAMS

State of Minnesota )

) ss.:

County of Hennepin )

Before me this 26 day of February, 2009, personally appeared CHRISTINE E. SEVERNS-WILLIAMS who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Notary Public

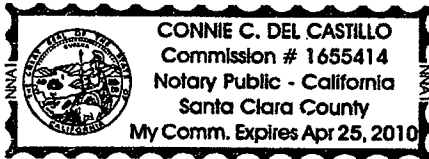
My commission expires: January 31, 2013

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara

On February 26, 2009 before me, Connie C. del Castillo Notary Public,  
Date Here Insert Name and Title of the Officer  
personally appeared Anatoli Bolotov, Mikhail Grinchuk  
Name(s) of Signer(s)  
and Lar Ivanovic



who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Connie C. del Castillo  
Signature of Notary Public

Place Notary Seal Above

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document

Title or Type of Document: Assignment of Patent Application  
Document Date: February 26, 2009 Number of Pages: 2  
Signer(s) Other Than Named Above: n/a

### Capacity(ies) Claimed by Signer(s)

Signer's Name: see above.  
☒ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

Signer Is Representing: self

Signer's Name: \_\_\_\_\_  
☐ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

Signer Is Representing: \_\_\_\_\_