

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Denis Zaytsev</td> <td>01/15/2013</td> </tr> <tr> <td>Denis Parfenov</td> <td>01/15/2013</td> </tr> <tr> <td>Yang Han</td> <td>01/11/2013</td> </tr> <tr> <td>Ivan Mazurenko</td> <td>01/15/2013</td> </tr> <tr> <td>Dmitry Babin</td> <td>01/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Denis Zaytsev	01/15/2013	Denis Parfenov	01/15/2013	Yang Han	01/11/2013	Ivan Mazurenko	01/15/2013	Dmitry Babin	01/15/2013
Name	Execution Date												
Denis Zaytsev	01/15/2013												
Denis Parfenov	01/15/2013												
Yang Han	01/11/2013												
Ivan Mazurenko	01/15/2013												
Dmitry Babin	01/15/2013												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>LSI Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1621 Barber Lane</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	City:	Milpitas	State/Country:	CALIFORNIA	Postal Code:	95035		
Name:	LSI Corporation												
Street Address:	1621 Barber Lane												
City:	Milpitas												
State/Country:	CALIFORNIA												
Postal Code:	95035												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13743381</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13743381								
Property Type	Number												
Application Number:	13743381												
CORRESPONDENCE DATA													
<p>Fax Number: 4024960333  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 402-496-0300          Email: file@suiter.com</p> <p>Correspondent Name: LSI Corporation c/o Suiter Swantz pc llo          Address Line 1: 14301 FNB Parkway, Suite 220          Address Line 4: Omaha, NEBRASKA 68154</p>													
ATTORNEY DOCKET NUMBER:	L11-2611US1												
NAME OF SUBMITTER:	Shane R. Thielen												
<p>Total Attachments: 3          source=L112611US1_Assignment#page1.tif          source=L112611US1_Assignment#page2.tif          source=L112611US1_Assignment#page3.tif</p>													

CH \$40.00 13743381

## ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, **DENIS ZAYTSEV, DENIS PARFENOV, YANG HAN, IVAN MAZURENKO and DMITRY BABIN**, 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"), the entire right, title and interest, for the United States and all foreign countries, in and to any and all inventions and improvements ("Inventions") as described and/or claimed in an application for Letters Patent of the United States of America entitled **AN EFFICIENT WAY TO CONSTRUCT LDPC CODE BY COMPARING ERROR EVENTS USING A VOTING BASED METHOD** and assigned attorney docket number **L11-2611US1**, and in and to the application and all divisional, continuing, substitute, renewal, reissue, reexamination and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries for the Inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefore including any reissues, reexaminations and extensions thereof.

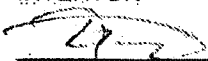
I/We agree that when requested will, without charge to Assignee but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for the Inventions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

I/We authorize and empower Assignee to make applications for patent or other form of protection for the Inventions in Assignee's own 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.

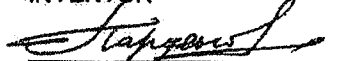
I/We hereby consent that a copy of this Assignment Agreement shall be deemed a full legal and formal equivalent of any assignment, consent to file or similar document which may be required in any country for any purpose, including proof of the right of Assignee to apply for patent or other form of protection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

IN WITNESS WHEREOF, I/we have hereunto signed my/our name(s) on the day and year set forth below.

INVENTOR

  
\_\_\_\_\_  
**DENIS ZAYTSEV**01/15/13  
Date

INVENTOR

  
\_\_\_\_\_  
**DENIS PARFENOV**01/15/2013  
Date


INVENTOR

\_\_\_\_\_  
**YANG HAN**\_\_\_\_\_  
Date

INVENTOR

  
\_\_\_\_\_  
**IVAN MAZURENKO**01/15/2013  
Date

INVENTOR

  
\_\_\_\_\_  
**DMITRY BABIN**01/15/13  
Date

## ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, **DENIS ZAYTSEV, DENIS PARFENOV, YANG HAN, IVAN MAZURENKO and DMITRY BABIN**, 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"), the entire right, title and interest, for the United States and all foreign countries, in and to any and all inventions and improvements ("Inventions") as described and/or claimed in an application for Letters Patent of the United States of America entitled **AN EFFICIENT WAY TO CONSTRUCT LDPC CODE BY COMPARING ERROR EVENTS USING A VOTING BASED METHOD** and assigned attorney docket number **L11-2611US1**, and in and to the application and all divisional, continuing, substitute, renewal, reissue, reexamination and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries for the Inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefore including any reissues, reexaminations and extensions thereof.

I/We agree that when requested 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/We authorize and empower Assignee to make applications for patent or other form of protection for the Inventions in Assignee's own 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.

I/We hereby consent that a copy of this Assignment Agreement 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.

IN WITNESS WHEREOF, I/we have hereunto signed my/our name(s) on the day and year set forth below.

INVENTOR

DENIS ZAYTSEVDate

INVENTOR

DENIS PARFENOVDate

INVENTOR

  
YANG HAN1/11/2013  
Date

INVENTOR

IVAN MAZURENKODate

INVENTOR

DMITRY BABINDate

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

State of California

County of Santa Clara

On January 11, 2013 before me, Connie C. del Castillo, Notary Public,

Date

Here Insert Name and Title of the Officer

personally appeared Yang Han

Name of Signer(s)

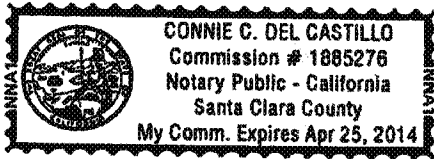
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), 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

Signature of Notary Public



Place Notary Seal Above

PATENT