

## PATENT ASSIGNMENT

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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>Fan Zhang</td> <td>04/20/2012</td> </tr> <tr> <td>Weijun Tan</td> <td>04/24/2012</td> </tr> <tr> <td>Haitao Xia</td> <td>04/20/2012</td> </tr> <tr> <td>Shaohua Yang</td> <td>04/20/2012</td> </tr> <tr> <td>Xuebin Wu</td> <td>04/20/2012</td> </tr> <tr> <td>Wu Chang</td> <td>04/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Fan Zhang	04/20/2012	Weijun Tan	04/24/2012	Haitao Xia	04/20/2012	Shaohua Yang	04/20/2012	Xuebin Wu	04/20/2012	Wu Chang	04/20/2012
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<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				
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Application Number:	13459289														
CORRESPONDENCE DATA															
Fax Number:	(303)265-9600														
Phone:	720-266-4728														
Email:	dhamilton@hdciplaw.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Douglas M. Hamilton														
Address Line 1:	8601 W. CROSS DRIVE														
Address Line 2:	F5-301														
Address Line 4:	LITTLETON, COLORADO 80123														
ATTORNEY DOCKET NUMBER:	AGERE-033700														

OP \$40.00 13459289

NAME OF SUBMITTER:

Douglas M. Hamilton

Total Attachments: 4

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## ASSIGNMENT AGREEMENT


For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, , **Fan Zhang, Weijun Tan, Haitao Xia, Shaohua Yang, Xuebin Wu and Wu Chang** 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 **Systems and Methods for Short Media Defect Detection Using Non-Binary Coded Information** and assigned attorney docket number **L11-2288US1**, 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.

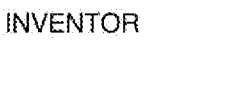
I/We agree that when requested will, without charge to Assignee but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for the Inventions 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  
  
Fan Zhang  
04/20/2012  
 Date

INVENTOR  
  
Weijun Tan  
 Date

INVENTOR  
  
Haitao Xia  
4/20/2012  
 Date

INVENTOR  
  
Shaohua Yang  
4/20/2012  
 Date

INVENTOR  
  
Xuebin Wu  
04/20/2012  
 Date

INVENTOR  
  
Wu Chang  
04/20/2012  
 Date

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

State of California

County of Santa Clara

On April 20, 2012 before me, Connie C. del Castillo, Notary Public,  
Date Here Insert Name and Title of the Officer

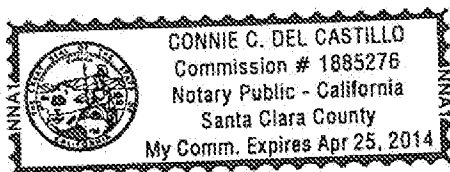
personally appeared Fan Zhang, Haitao Xia, Shaohua Yang, Xuebin Wu  
and Wu Chang --,  
Name of Signer(s)

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

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INVENTOR

Fan Zhang

Date

INVENTOR

Weijun Tan

Date

INVENTOR

Haitao Xia

Date

INVENTOR

Shaohua Yang

Date

INVENTOR

Xuebin Wu

Date

INVENTOR

Wu Chang

Date

ACKNOWLEDGMENT

State of Colorado

County of Boulder

On this 24 day of April, 2012, before me personally appeared  
WENKIN TAN

known to me to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

In witness hereof, I hereunto set my hand and official seal.

Sue Ellen Berens  
Notary Public

(Seal)

