

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>Fan Zhang</td> <td>11/27/2012</td> </tr> <tr> <td>Jun Xiao</td> <td>11/27/2012</td> </tr> <tr> <td>Wu Chang</td> <td>11/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Fan Zhang	11/27/2012	Jun Xiao	11/27/2012	Wu Chang	11/27/2012		
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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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CORRESPONDENCE DATA											
<p>Fax Number: 5167599512 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 516-759-2722 Email: nyoffice@rml-law.com</p> <p>Correspondent Name: JOSEPH B. RYAN Address Line 1: 90 FOREST AVENUE Address Line 2: RYAN, MASON & LEWIS, LLP Address Line 4: LOCUST VALLEY, NEW YORK 11560</p>											
ATTORNEY DOCKET NUMBER:	L12-1394US1										
NAME OF SUBMITTER:	Joseph B. Ryan										
<p>Total Attachments: 2 source=1150-2020_ASM#page1.tif source=1150-2020_ASM#page2.tif</p>											

OP \$40.00 13687688

ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, **Fan Zhang, Jun Xiao 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 **ITERATIVE DECODING USING ADAPTIVE FEEDBACK** and assigned attorney docket number **L12-1394US1**, 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

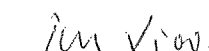


Fan Zhang

11/27/2012

Date

INVENTOR



Jun Xiao

11/27/2012

Date

INVENTOR



Wu Chang

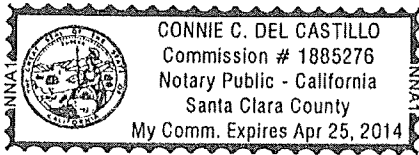
11/27/2012

Date

CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

State of California
County of Santa Clara

On November 27, 2012 before me, Connie C. del Castillo, Notary Public,
Date Here Insert Name and Title of the Officer
personally appeared **Fan Zhang, Jun Xiao and Wu Chang** -----,
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 *Connie C. del Castillo*
Signature of Notary Public

Place Notary Seal Above