

PATENT ASSIGNMENT COVER SHEET

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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>ZHENGANG CHEN</td> <td>12/09/2013</td> </tr> <tr> <td>YUNXIANG WU</td> <td>12/09/2013</td> </tr> <tr> <td>ERICH HARATSCH</td> <td>12/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	ZHENGANG CHEN	12/09/2013	YUNXIANG WU	12/09/2013	ERICH HARATSCH	12/20/2013
Name	Execution Date								
ZHENGANG CHEN	12/09/2013								
YUNXIANG WU	12/09/2013								
ERICH HARATSCH	12/20/2013								
RECEIVING PARTY DATA									
Name:	LSI CORPORATION								
Street Address:	1320 RIDDER PARK DRIVE								
City:	SAN JOSE								
State/Country:	CALIFORNIA								
Postal Code:	95131								
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>14108226</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14108226				
Property Type	Number								
Application Number:	14108226								
CORRESPONDENCE DATA									
Fax Number:									
Phone:	720-266-4728								
Email:	dhamilton@hdciplaw.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</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-050600								
NAME OF SUBMITTER:	DOUGLAS M. HAMILTON								
Signature:	/Douglas M. Hamilton/								

Date:

12/24/2013

Total Attachments: 3

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ASSIGNMENT AGREEMENT

WHEREAS, Zhengang Chen of San Jose, CA, USA, Yunxiang Wu of Cupertino, CA, and Erich F. Haratsch of San Jose, CA, USA (the "INVENTOR") conceived of one or more inventions and improvements related to **Systems and Methods for Soft Decision Generation in a Solid State Memory System** (the "INVENTIONS");

WHEREAS, a patent application (the "APPLICATION") for the INVENTIONS:

_____ will be filed with the United States Patent and Trademark Office (the "USPTO"); or

was filed with the USPTO on 12/16/2013 as Application No. 14/108,226;

WHEREAS, LSI Corporation, a Delaware corporation having an office at 1320 Ridder Park Drive, San Jose, CA 95131, United States of America (the "ASSIGNEE") desires to acquire the entire right, title and interest in and to the INVENTIONS, and all patent applications and all patents granted, or that may be granted hereafter for the INVENTIONS.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, INVENTOR does hereby sell, assign and transfer to ASSIGNEE, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States and all foreign countries, in and to the INVENTIONS, and in and to the APPLICATION and all provisional, 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, together with all claims for damages by reason of past infringement of said patent with the right to sue for and collect the same.

INVENTOR agrees to 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.

INVENTOR authorizes and empowers 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.

INVENTOR does 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.

INVENTOR hereby grants to the firm of Hamilton, DeSanctis & Cha, or its agents, the power to insert on this Assignment Agreement any further identification, including, but not limited to, application numbers and filing date, which may be necessary or desirable to comply with any request of the USPTO for purpose of recording this Assignment Agreement

IN WITNESS WHEREOF, INVENTOR signed on the date set forth below.

INVENTOR

INVENTOR

INVENTOR


Zhengang Chen

Yunxiang Wu

Erich F. Haratsch

12/9/2013
Date

Date

Date

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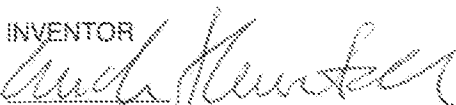
INVENTOR

INVENTOR

Zhengang Chen

Yunxiang Wu

Erich F. Haratsch



12/29/2013

Date

Date

Date

PATENT