

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EUI SEOK HWANG	04/11/2014
GEORGE MATHEW	04/11/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LSI CORPORATION
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<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14252652
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<b>ATTORNEY DOCKET NUMBER:</b>	L13-1173US2
<b>NAME OF SUBMITTER:</b>	WAYNE L. ELLENBOGEN
<b>SIGNATURE:</b>	/ wayne l. ellenbogen /
<b>DATE SIGNED:</b>	04/14/2014
<b>Total Attachments: 1</b>	
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ASSIGNMENT AGREEMENT

WHEREAS, Eui Seok Hwang of Palo Alto, CA, and George Mathew of San Jose, CA (the "INVENTOR") conceived of one or more inventions and improvements relating to SKEW-TOLERANT READER CONFIGURATIONS USING CROSS-TRACK PROFILES FOR ARRAY-READER BASED MAGNETIC RECORDING (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 April 14, 2014 as Application No. 14/252,652; and

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 patents 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, foreign countries, or both, 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 Otterstedt, Ellenbogen & Kammer, LLP, or its agents, the power to insert on this Assignment Agreement any further identification, including but not limited to application numbers and filing dates, which may be necessary or desirable to comply with any rule or request of the USPTO for the purpose of recording this Assignment Agreement.

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

INVENTOR

Eui Seok Hwang

Eui Seok Hwang

04/11/2014

Date

INVENTOR

George Mathew

George Mathew

04/11/2014

Date

L13-1173US2

PATENT