

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Nayak Ratnakar Aravind	06/23/2009
<b>RECEIVING PARTY DATA</b>	
Name:	LSI Corporation
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State/Country:	CALIFORNIA
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<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12491179
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ATTORNEY DOCKET NUMBER:	AGERE-015300
NAME OF SUBMITTER:	Douglas M. Hamilton
Total Attachments: 2 source=ExecutedAssignmentAGERE-015300#page1.tif source=ExecutedAssignmentAGERE-015300#page2.tif	

OP \$40.00 12491179

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**PATENT**  
**REEL: 022871 FRAME: 0893**

ASSIGNMENT AGREEMENT

I, **Nayak Ratnakar Aravind** of Lancaster, Pennsylvania, hereby declare that I am a joint inventor of the inventions related to:

**Systems and Methods for Hard Disk Drive Data Storage Including Reduced Latency Loop Recovery**

as described in an application for Letters Patent of the United States of America filed on \_\_\_\_\_ and assigned Serial No. \_\_\_\_ / \_\_\_\_\_, or if not identified here by filing date and Serial number, executed by me on even date with my execution of this Assignment Agreement.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I 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"), my entire right, title and interest, for the United States and all foreign countries, in and to the inventions and all the rights and privileges under any and all Letters Patent that may be granted therefore, including any divisionals, continuations, reissues and extensions thereof.

I agree that when requested I 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 agree that I will communicate to Assignee or its representatives any facts known to me respecting the inventions, and when requested by Assignee I will testify in any legal proceedings relating to the inventions at Assignee's expense, and generally do everything possible to aid Assignee to obtain or enforce proper protection for the inventions in any and all countries.

I authorize and empower Assignee to make applications for patent or other form of protection for the inventions in Assignee's own name, or in my 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 from me.

I hereby consent that a copy of this assignment 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.

I covenant with Assignee that, to the best of my knowledge, the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

I authorize attorneys for Assignee to insert the filing date and serial number into this assignment after the application for Letters Patent has been filed and a serial number has been assigned to such application.

This assignment supersedes all other assignments, agreements and addendums related to the inventions referenced herein.

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

FIRST INVENTOR

Nayak Ratnakar Aravind

**Nayak Ratnakar Aravind**

Date: 06/23/2009

United States of America )

State of Penna ) ss.:

County of Lehigh )

On this 23<sup>rd</sup> day of June, 20 09, before me personally came **Nayak Ratnakar Aravind**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Doreen M. Micheletti  
Notary Public

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL  
DOREEN M. MICHELETTI, Notary Public  
City of Allentown, Lehigh County  
My Commission Expires October 30, 2012