

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>Gerald E. Smith</td> <td>11/02/2011</td> </tr> <tr> <td>Basavaraj G. Hallyal</td> <td>11/09/2011</td> </tr> </tbody> </table>		Name	Execution Date	Gerald E. Smith	11/02/2011	Basavaraj G. Hallyal	11/09/2011						
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RECEIVING PARTY DATA													
<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>Internal Address:</td> <td>IP Legal Dept. MS D-106</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	Internal Address:	IP Legal Dept. MS D-106	City:	Milpitas	State/Country:	CALIFORNIA	Postal Code:	95035
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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>13281301</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13281301								
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CORRESPONDENCE DATA													
<p>Fax Number: (303)786-7691</p> <p>Phone: 303-786-7687</p> <p>Email: mnguyen@dbflaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Daniel N. Fishman</p> <p>Address Line 1: Duft Bornsen & Fishman, LLP</p> <p>Address Line 2: 1526 Spruce Street, Suite 302</p> <p>Address Line 4: Boulder, COLORADO 80302</p>													
ATTORNEY DOCKET NUMBER:	10-0559												
NAME OF SUBMITTER:	Daniel Fishman												
<p>Total Attachments: 3</p> <p>source=10-0559Assignment#page1.tif</p> <p>source=10-0559Assignment#page2.tif</p> <p>source=10-0559Assignment#page3.tif</p>													

OP \$40.00 13281301

ASSIGNMENT AGREEMENT

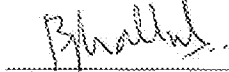
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, Basavaraj G. Hallval, hereby sell, assign and transfer to LSI Corporation, a corporation of the State of Delaware, having an office at 1621 Barber Lane, Milpitas, CA 95035, United States of America, and 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 **METHODS AND SYSTEMS USING SOLID-STATE DRIVES AS STORAGE CONTROLLER CACHE MEMORY** and assigned attorney docket number 10-0559, 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 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.

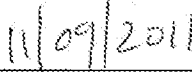
I authorize and empower Assignee to make applications for patent or other form of protection for the Inventions in Assignee's own name in any and all countries, and to invoke and claim for any application for patent or other form of protection for the Inventions filed by Assignee the benefit of all rights of priority provided by any and all treaties, conventions or agreements without further written or oral authorization.

I 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 have hereunto signed my/our name(s) on the day and year set forth below.



Inventor's Signature



DATE

Basavaraj G. Hallval
Inventor's Printed Name

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara

On November 9, 2011

Date

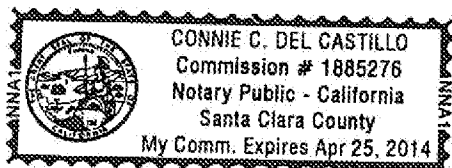
before me,

Connie C. del Castillo, Notary Public,

Here Insert Name and Title of the Officer

personally appeared Basavaraj G. Hallyal

Name of Signer



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 executed the same in his/her authorized capacity, and that by his/her 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

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Assignment Agreement (Docket No. 10-0559)

Document Date: November 9, 2011

Number of Pages: 1

Signer Other Than Named Above: N/A

Capacity Claimed by Signer

Signer's Name: Basavaraj G. Hallyal

☒ Individual

☐ Corporate Officer - Title: _____

☐ Partner - ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: _____

Signer is Representing: Self

PATENT

REEL: 027483 FRAME: 0098

ASSIGNMENT AGREEMENT

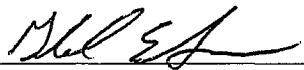
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, Gerald E. Smith, hereby sell, assign and transfer to LSI Corporation, a corporation of the State of Delaware, having an office at 1621 Barber Lane, Milpitas, CA 95035, United States of America, and 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 **METHODS AND SYSTEMS USING SOLID-STATE DRIVES AS STORAGE CONTROLLER CACHE MEMORY** and assigned attorney docket number 10-0559, 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.

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IN WITNESS WHEREOF, I/we have hereunto signed my/our name(s) on the day and year set forth below.


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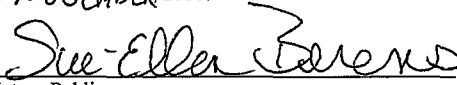
11/2/2011
DATE

Gerald E. Smith
Inventor's Printed Name

STATE OF COLORADO)
COUNTY OF Boulder) ss.
)

Before me, a Notary Public in and for said County and State, personally appeared Gerald E. Smith, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 2 day of NOVEMBER 2011.


Notary Public
My Commission Expires: 10/17/14

SUE-ELLEN BERENS
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 10/17/14