

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2666004

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>KISHORE KANIYAR SAMPATHKUMAR</td> <td>12/20/2013</td> </tr> <tr> <td>SAUGATA DAS PURKAYASTHA</td> <td>12/20/2013</td> </tr> <tr> <td>PARAG R. MAHARANA</td> <td>12/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	KISHORE KANIYAR SAMPATHKUMAR	12/20/2013	SAUGATA DAS PURKAYASTHA	12/20/2013	PARAG R. MAHARANA	12/30/2013		
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<table border="1"> <tr> <td>Name:</td> <td>LSI CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>1320 RIDDER PARK DRIVE</td> </tr> <tr> <td>City:</td> <td>SAN JOSE</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95131</td> </tr> </table>		Name:	LSI CORPORATION	Street Address:	1320 RIDDER PARK DRIVE	City:	SAN JOSE	State/Country:	CALIFORNIA	Postal Code:	95131
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Application Number:	14145943										
CORRESPONDENCE DATA											
<p>Fax Number: (586)498-0673          Phone: 586-498-0670          Email: chriscpm2@aol.com  <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>          Correspondent Name: CHRISTOPHER P. MAIORANA          Address Line 1: 24840 HARPER, SUITE 100          Address Line 4: ST. CLAIR SHORES, MICHIGAN 48080</p>											
NAME OF SUBMITTER:	MARY DONNA BERKLEY										
Signature:	/Mary Donna Berkley/										
Date:	01/03/2014										
<p>Total Attachments: 4          source=14145943_assignment_010314#page1.tif          source=14145943_assignment_010314#page2.tif          source=14145943_assignment_010314#page3.tif          source=14145943_assignment_010314#page4.tif</p>											

## ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, **KISHORE KANIYAR SAMPATHKUMAR, SAUGATA DAS PURKAYASTHA and PARAG R. MAHARANA**, hereby sell, assign and transfer to LSI Corporation, a corporation of the State of Delaware, having an office at 1320 Ridder Park Drive, San Jose, CA 95131, 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 **SYSTEM FOR EFFICIENT CACHING OF SWAP I/O AND/OR SIMILAR I/O PATTERN(S)** and assigned attorney docket number **L13-1227US**, 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.

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

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

INVENTOR

Kishore

Kishore Kaniyar Sampathkumar

20-DEC-2013

Date

INVENTOR

Saugata Das Purkayastha

Date

INVENTOR

Parag R. Maharana

Date

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

INVENTOR

\_\_\_\_\_  
Kishore Kaniyar Sampathkumar

\_\_\_\_\_  
Date

INVENTOR

Saugata Das Purkayastha  
Saugata Das Purkayastha

20-DEC -2013  
Date

INVENTOR

\_\_\_\_\_  
Parag R. Maharana

\_\_\_\_\_  
Date

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INVENTOR

Kishore Kaniyar Sampathkumar

Date

INVENTOR

Saugata Das Purkayastha

Date

INVENTOR

Parag Ranjan Maharana  
Parag R. Maharana

Dec 30th 2013

Date