10-02-2001 Form PTO-1595 U.S. Department of Commerce Patent and Trademark Office 101862861 OMB No. 0651-0011 (exp. 4/94) To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Name: LSI Logic Corporation Ray M. Jantz Mike J. Gallagher Street Address: 1551 McCarthy Boulevard Jon D. Beadles City: Milpitas, California ZIP 95035 Additional name(s) of conveying party(ies) attached? [] Yes [X] No Country: United States of America Additional name(s) & address(es) attached? [] Yes [X] No 3. Nature of Conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date(s): 09/19/01 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is 09/17/01 and 09/19/01 A. Patent Application No(s) B. Patent No(s) Additional numbers attached? [] Yes [X] No Title of Invention: Method and Apparatus for Providing Highly-Transparent, Host Based Multi-Pathing Support LSI Logic Docket No. 01-248 Our Docket No.: 1003-0608 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved concerning documents should be mailed: 7. Total fee (37 CFR §3.41): .\$ 40.00 Name: Peter P. Scott, Esq. Internal Address: LSI Logic Corporation [] Enclosed Intellectual Property Department [X] Authorized to be charged to deposit account Mail Stop D-106 Street Address: 1551 McCarthy Boulevard 8. Deposit Account number: 12-2252 City: State: Zip: Milptas. California 95035 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true

copy of the original document.

Bradford G. Addison Name of Person Signing Registration No. 41,486

September 21, 2001

total number of pages including cover sheet, attachments and document_2

/02/2001 DBYRNE FC:581

00000045 122252

40.00 CH

09960827

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments

Washington, D.C. 20231

PATENT REEL: 012201 FRAME: 0110

PATENT

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/WE, the undersigned, Ray M. Jantz, Mike J. Gallagher and Jon D. Beadles, do hereby sell, assign, and transfer to: LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1551 McCarthy Boulevard, Milpitas, California 95035, ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent,

(X)	which has been execute	d by the undersigned concurrently herewith,
()	which was filed on	and assigned Serial No.

and is entitled: "Method and Apparatus for Providing Highly-Transparent, Host-Based Multi-Pathing Support" and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications to patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Name: Ray M. Janty Date: 9/19/61, 2001 Witness: Rebecca Holf

Printed Name

Name: M. Schleyer Date: 9/19/0/2001 Witness: Rebeco Helt

Witness: Rebecca Holt

Name: Date: 9/19/, 2001 Witness: Alden R. Wilner

Assignment

PATENTO TO OZ des

RECORDED: 09/21/2001 REEL: 012201 FRAME: 0111