02-20-2002 RECORDATION FO U.S. DEPARTMENT OF COMMERCE Form PTO-1595 Patent and Trademark Office JLYAttorney Docket No. 01-751 To the Commissioner for Patents: Please record the attached original documents or copy thereof. 1. Name of conveying party(ics): 2. Name and address of receiving party(ies): Shayne ZURN LSI Logic Corporation 1551 McCarthy Boulevard Additional name(s) of conveying party(ies) attached? Milpitas, CA 95035 [] Yes [X] No 3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other _____ Execution Date: February 5, 2002 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: February 5. 2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? [] Yes [X] No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$ 40.00 LSI LOGIC CORPORATION 1551 McCarthy Blvd. [] Enclosed Milpitas, CA 95035 [x] Authorized to be charged to deposit account should the fee (408) 433-8708 not be enclosed. 8. Deposit account number: 12-2252 DO NOT USE THIS SPACE 9. 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. February 7, 2002 Charles W. Peterson, Jr. Date Signature Registration No. 34,406

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10. Total number of pages including cover sheet, attachments and document: 2

PATENT REEL: 012576 FRAME: 0517 Docket No.: 01-751

72203 (6653) Patent

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/WE, the undersigned, Shayne Zurn 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 execu	ited by the undersigned	concurrently herewith,
()	which was filed on _	, 20 and as	signed Serial Number

and is entitled: VACUUM SEALED RF/MICROWAVE MICRORESONATOR 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.

Shayne Zurn

9955 Elm Creek Trail
Champlin AN 55216

Date: 15/2002 Witness: Stort A. Peterson

Printed

Champlin, MN 55316

RECORDED: 02/07/2002

PATENT REEL: 012576 FRAME: 0518