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OMB No. 0651-0027 (exp. 5/31/2002) To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name and address of receiving party(ies) 1. Name of conveying party(ies): 7-11-02 Name: LSI Logic Corporation Andrew M. Rankin Jason Hoff Internal Address: Mail Stop D-106 Ken Szajda 1551 McCarthy Boulevard Milpitas, CA 95035 Additional name(s) of conveying party(ies) attached? [ ] Yes [ X ]No 3. Nature of conveyance: Street Address: Mail Stop D-106 1551 McCarthy Boulevard [X] Assignment [] Merger City: Milpitas State: CA ZIP: 95035 [ ] Change of Name [ ] Security Agreement [ ] Other\_\_\_\_\_\_ Execution Date: 12/12/2001; 12/24/2001; 12/26/2001 Additional name(s) & address(es) attached? [ ] Yes [ X ] No 4. Application number(s) or patent number(s): (01-228) LSI.31US01 If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s): Serial No.: 10/026,154 B. Patent No.(s) Title: 5V Tolerant Hot Carrier Injection (HCI) **Protection Circuit** Filed: December 18, 2001 Additional numbers attached? [ ] Yes [ X ] No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed Name: William W. Cochran II Total fee (37 CFR 3.41).....\$\_\_\_\_ Internal Address: The Law Offices of William W. Cochran, LLC [] Enclosed 3555 Stanford Road, Suite 230 [X] Authorized to be charged to deposit account Fort Collins, CO 80525 8. Deposit account number: Street Address: 3555 Stanford Road, Suite 230 12-2252 (Attach duplicate copy of this page if paying by deposit account) City: Fort Collins State: CO ZIP: 80525 DO NOT USE THIS SPACE To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of Statement and signature. the original document William W. Cochran Name of Person Signing Total number of pages including cover sheet, attachments and document: [3]

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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**PATENT** REEL: 012604 FRAME: 0202 Docket No.: (01-228) LSI.31US01

## ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

We, the undersigned, do hereby sell, assign, and transfer to:

LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1551 McCarthy Boulevard, Milpitas, CA 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,

Which has been executed by the undersigned concurrently herewith,

## And which is entitled: 5 V TOLERANT HOT CARRIER INJECTION (HCI) PROTECTION CIRCUIT

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.

First N	lamed Inv	entor:	,	
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i tarro.	Andrew M	1. Rankin		
Date:	12/12	/ 01		

Witness Signature: Cindy L. Pederson
Witness Address: 3555 Stanford Road, #230
Fort Collins, CO 80525

Docket No.: (01-228) LSI.31US01

Second Named Inventor:	
Name: Jason Hoff Date: 12/24/51	Witness Signature: Moliver J. Hoff Witness Printed Name: Witness Address: Melvin L. Hoff 25 O'Britin CT mad. Jon, Wa 53714
Third Named Inventor:	
Name: Ken Szajda	Witness Signature: <u>pamela Szag</u> cta
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**RECORDED: 02/11/2002**