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Lowell L. Winger

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☐ Security Agreement ☐ Change of Name
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Execution Date: July 27, 2006

2. Name and address of receiving party(ies):

Name: LSI Logic CorporationInternal Address: MS: D-106 LegalStreet Address: 1621 Barber LaneCity: Milpitas State: CA ZIP: 95035Additional name(s) & address(es) attached? **No**

4. Application number(s) or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **LSI Logic Corporation**Internal Address: **MS: D-106 Legal**Street Address: **1621 Barber Lane**City: **Milpitas** State: **CA** ZIP: **95035**6. Total number of applications and patents involved: **1**7. Total fee (37 CFR 3.41) **\$40.00**

- ☐ Enclosed
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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.*Christopher P. Maiorana

Signature

July 27, 2006

Date

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

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PATENT
 REEL: 018100 FRAME: 0281

ASSIGNMENT OF APPLICATION**Docket Number: 06-1114 / 1496.00530**

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

I, the undersigned,

do hereby sell, assign, and transfer to:

LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1621 Barber Lane, 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,

which has been executed by the undersigned concurrently herewith,

and which is entitled:

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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 named inventor

Name

Lowell L. Winger

Date

July 27, 2006

Witness Signature:

Witness Printed Name:

Witness Address:

Stephen Warrington
736 Old Albert Street
Room 503
Waterloo, ON N2L 6R4

PATENT**RECORDED: 07/27/2006****REEL: 018100 FRAME: 0282**