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1. Name of conveying party(ies):

Barry Caldwell
512 West Randall
Hesston, KS 67062

Additional name(s) of conveying party(ies) attached?

☐ YES ☒ NO

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

LSI Logic Corporation
1551 McCarthy Blvd.
Milpitas, CA 95035

Additional name(s) and Address(es) attached:?

☐ YES ☒ NO

1017 U.S. PTO
10/024054
12/17/01

3. Nature of conveyance:

☒ Assignment ☐ Merger ☐ Security Agreement
☐ Change of Name ☐ Other _____

Execution Date: December 14, 2001

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

Serial N°: _____ Filed: December 17, 2001 Express Mail Label N°: EL 789 473 343 US

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10024054

B. Patent No.(s)

Additional numbers attached: ☐ YES ☒ NO

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

Peter Scott
LSI Logic Corporation
Intellectual Prop. Depart.
1551 McCarthy Blvd.
Milpitas, CA 95035

24319
PATENT TRADEMARK OFFICE

6. Total number of applications and patents
involved: **ONE**

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Charge Deposit Account N° 12-2252.
Please credit any over-payment or charge any under-
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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.

Walter J. Malinowski
Walter J. Malinowski, Reg No. 43,423

DATE: December 17, 2001

Total number of pages comprising this cover sheet: **One (1)**

ASSIGNMENT OF APPLICATION**Docket Number: 01-716**

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 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,

which has been executed by the undersigned concurrently herewith,

and which is entitled:

Fluted Signal Pin, Cap, Membrane, and Stanchion for a Ball Grid Array

in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other application 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 received 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, 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 Barry Caldwell
Barry Caldwell

Date Dec 14-01

Witness Signature: Craig McCombs

Witness Printed Name: Craig McCombs

Witness Address: 4845 N. Homestead
Wichita, KS
67220

PATENT

RECORDED: 12/17/2001

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