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ATTORNEY Docket Form

REEL 4-25-03

Attorney Docket No. 02-5937/L13.12-0220

the United States Patent and Trademark Office: Please record the copy thereof.

1. Name of conveying party(ies):
1) Prashant K. Singh
2) Donald C. Grillo
3)
Additional name(s) of conveying party(ies) attached? [ ] Yes [ ] No

2. Name and address of receiving party(ies):
Name: LSI Logic Corporation
Internal Address:
Street Address: 1551 McCarthy Boulevard
City Milpitas State CA ZIP 95035
Additional name(s) & address(es) attached? [ ] Yes [x] No

3. Nature of Conveyance:
[X] Assignment [ ] Merger
[ ] Security Agreement
[ ] Change of Name [ ] Other
Execution Date: April 7, 2003

4A. Application No. (s)
10/328,719
If this document is being filed together with a new application, the execution date(s) of the application is:
Additional numbers attached? [ ] Yes [x] No

4B. Patent No. (s)
Additional numbers attached? [ ] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Timothy R. Croll
Street Address: LSI Logic Corporation
1551 McCarthy Boulevard
M/S D-106
City Milpitas State CA ZIP 95035

6. Total number of applications and patents involved: [1]

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

8. Method of Payment
[ ] Enclosed
[X] The Director is authorized to charge payment of any additional recording fees or credit any overpayment to deposit account No. 12-2252.

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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.

Brian D. Kaul
Name of Person Signing

[Signature]

4-14-2003
Date

Total number of pages submitted: [3]

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned Prashant Singh and Donald C. Grillo, 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,  
[x] which was filed on December 23, 2002 and assigned Application No. 10/328,719,

and is entitled: PERIPHERAL DEVICE RECEIVER DETECTION IN A HIGH NOISE ENVIRONMENT 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 executed all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; executed all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assigned, 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 properly 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: Prashant K. Singh  
Prashant Singh

Date 4/7/03

Witness: Justin Kraus

Date 4/7/03

Witness Printed: Justin Kraus

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Name: Donald C. Grillo  
Donald C. Grillo

Date 4/7/2003

Witness: [Signature]

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