

08-14-2000

FORM PTO-1595
LSI-00-099

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Hossein Dehghan, Ramon A. Cruz and
Jing Li
Additional name(s) of conveying parties attached? Yes No

2. Name and address of receiving party(ies):
Name LSI Logic Corporation
Internal Address _____

794 U.S. PTO
09/615890



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date 09/15/90

Street Address 1551 McCarthy Boulevard
City Milpitas State CA Zip 95035
Additional name(s) & address(es) attached? Yes No

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 July 14, 2000
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 _____
Street Address 1551 McCarthy Boulevard
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
 Authorized to be charged to deposit account
8. Deposit account number:
04-0025
(Attach duplicate copy of this page if paying by deposit account)

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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.
Tara Hayden _____ July 14, 2000
Name of Person Signing Signature Date

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, DC 20231

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned, Hossein Dehghan, Ramon A. Cruz and Jing Li 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 United States Letters Patent,

- (X) which has been executed by the undersigned concurrently herewith,
() which was filed on _____, 20____ and assigned Serial No.

and is entitled: AN EFFICIENT ALGORITHM FOR BLIND DETECTION OF SIGNAL CONSTELLATION 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 Sates 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 Sates 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.

Inventor Signature [Signature]
Hossein Dehghan

Date 7/13/2000

Witness Signature

[Signature]
Witness Printed Name

LSI Logic Corporation
Intellectual Property
Corporate Legal Department
1551 McCarthy Blvd., MS D-106
Milpitas, California 95035


Inventor Signature [Signature]
Ramon A. Cruz

Date

Witness Signature

[Signature]
Witness Printed Name

LSI Logic Corporation
Intellectual Property
Corporate Legal Department
1551 McCarthy Blvd., MS D-106
Milpitas, California 95035

Inventor Signature 
Jing Li

Date 6/20/00

Witness Signature _____

Chris Leach
Witness Printed Name

LSI Logic Corporation
Intellectual Property
Witness Printed Address

Corporate Legal Department
1551 McCarthy Blvd., MS D-106
Milpitas, California 95035