

05-15-1998



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Form PTO-1515

RE

U.S. Department of Commerce

2698
Docket No. 30454-56

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

1. Name of conveying party(ies): Ivan Pavisic, Ranko Scepanovic, and Alexander E. Andreev
Additional name of conveying party 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) and address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: January 30, 1998, January 29, 1998 and January 29, 1998, respectively

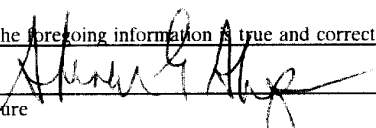
4. Application number(s) or patent numbers:
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s) B. Patent No.(s)
08/906,946
Additional numbers attached? Yes No

5. Name and address party to whom correspondence concerning document should be mailed:
Name Steven E. Shapiro, Esq.
Address: MITCHELL, SILBERBERG & KNUPP LLP
Street Address 11377 West Olympic Boulevard
City: Los Angeles State CA ZIP 90064

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41) \$40.00
 Enclosed
 Any discrepancy or overpayment is authorized to be charged to deposit account 13-3735
8. Deposit Account number:
13-3735
(Attach date 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.
Steven E. Shapiro  February 3, 1998
Name of Person Signing Signature Date
02/26/1998 KHARLING 00000168 08906946 40.00 OP
01 FC:581 total number of pages including cover sheet, attachments, and document: 2

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/WE, the undersigned, Ivan Pavisic, Ranko Scepanovic, and Alexander E. Andreev, 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 August 6, 1997 and assigned Serial No. 08/906,946

and is entitled: METHOD AND APPARATUS FOR CONTINUOUS COLUMN DENSITY OPTIMIZATION 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 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 representative 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.

Name: Ivan Pavisic Date: January 30, 1998 ^{JP 01/30/98} Witness: [Signature]
 Printed: Leticia Rosenthal

Name: Ranko Scepanovic Date: January 29, 1998 ^{R.S. 1-29-98} Witness: [Signature]
 Printed: MARIA KOVACS

Name: Alexander E. Andreev Date: 1-29, 1998 ^{A.E.A. 1-29-98} Witness: [Signature]
 Printed: MARIA KOVACS

Name: _____ Date: _____, 1997 Witness: _____
 Printed: _____