

04-06-2000

PTO-1595

MLO
12.22.99

REC



EET U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101308017

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

1. Name of conveying party(ies):
Chusong Xiao
Bo Lu
Additional names(s) of conveying party(ies) attached? **No**

2. Name and address of receiving party(ies):
Name: LSI Logic Corporation
Internal Address: Intellectual Property Law Department
M/S D-106
Street Address: 1551 McCarthy Boulevard
City: Milpitas State: CA ZIP: 95035
Additional name(s) & address(es) attached? **No**

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____
Execution Date: December 21, 1999

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: December 22, 1999
A. Patent Application No(s).
B. Patent No(s).

09/47004

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: **Intellectual Property Law Department**
M/S D-106
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 if necessary
8. Deposit Account Number: **50-0541**
(Attach duplicate copy of this page if paying by deposit account)

2000 GORDON 0000065 09470004
1581 40.00 DP

DO NOT USE THIS SPACE

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
Reg. No.: 42,829

Signature

December 22, 1999
Date

Total number of pages including cover sheet, attachments, and document: **4**

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 010651 FRAME: 0306

1530 U.S. PTO
09/47000
12/22/99

ASSIGNMENT OF APPLICATION

Docket Number: 99-139

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

We, 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:

SYNCHRONIZATION OF SUPER FRAMES IN AN INTEGRATED SERVICES DIGITAL BROADCASTING FOR SATELLITES (ISDB-S) SYSTEM

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 Xiao Chusong Date: _____
Chusong Xiao

Witness Signature: Odette Sanchez

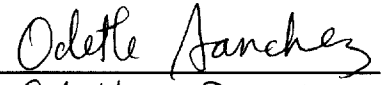
Witness Printed Name: Odette Sanchez

Witness Address: 1551 McCarthy Blvd.
MS: D-106

Milpitas, CA 95035

Second named inventor

Name  Date: 12/21/99
Bo Lu

Witness Signature: 

Witness Printed Name: Odette Sanchez

Witness Address: 1551 McCarthy Blvd

MS: D-106

Milpitas, CA 95035