

06-01-1998



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5/15/98

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

1. Name of conveying party(ies):  
Kuochun Lee, Ying Cui, Tsung Yen Chen  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: CIRRUS LOGIC, INC.  
Address: 3100 West Warren Avenue M/S 521  
Fremont, CA 94538-6419

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
Other: \_\_\_\_\_

Execution Date: 5/13/98, 4/22/98, 5/13/98

Additional name(s) & address(es) attached?  Yes  No

jc551 U.S. P. 49  
09/079946  
05/15/98

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: \_\_\_\_\_ and the title is: Automatic Configuration of Gate Array Cells Using a Standard Cell Function Library

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: Legal Department, M/S 521  
Address: CIRRUS LOGIC, INC  
3100 W Warren Avenue  
Fremont, California 94538-6419

6. Total number of applications and patents involved: ONE

Total fee (37 CFR 3.41): \$ 40.00

Enclosed

Authorized to be charged to deposit account, if necessary

8. Deposit account number  
03-2028

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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.*

Frank D. Nguyen  
Name of Person Signing  
Registration No. 39,790

Frank D. Nguyen  
Signature

09/079946  
Date

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

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Assistant Commissioner for Patents  
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**JOINT TO CORPORATE ASSIGNMENT**

WHEREAS, the undersigned,

1. Kuochen Lee, resident of 139 Buck Court, Fremont, California 94539;
  2. Ying Cui, 1630 Via Campagna, San Jose, California 95120; and
  3. Tsung-Yen Chen, resident of 593 Shetland Court, Milpitas, California 95035
- have invented certain new and useful improvements in:

**AUTOMATIC CONFIGURATION OF GATE ARRAY CELLS USING A  
STANDARD CELL FUNCTION LIBRARY**

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

X  On the

1.  13<sup>th</sup>  day of  May , 1998
2.  22<sup>nd</sup>  day of  April , 1998
3.  13<sup>th</sup>  day of  May , 1998

respectively; or

\_\_\_ Said application having Application Number \_\_\_/\_\_\_,\_\_\_ and filed on the \_\_\_ day of \_\_\_\_\_, 19\_\_\_.

WHEREAS **CIRRUS LOGIC, INC.** (hereinafter termed "Assignee"), a corporation of **California**, having a place of business at **3100 West Warren Avenue, Fremont, California 94538-6419**, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents" applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the

International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee on the date of acknowledgment before the Notary Public as given below.



(1) *Kuo Chen Lee*  
Kuo Chen Lee

(1) State of California )  
County of Alameda )

On 5-13-98 before me, Susan Ahearn, personally appeared Kuo Chen Lee, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

*Susan Ahearn*  
Signature



(2) *Ying Cui*  
Ying Cui

(2) State of California )  
County of Alameda )

On 4-22-98 before me, Susan Ahearn, personally appeared Ying Cui, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

*Susan Ahearn*  
Signature



(3) *Tsung Yen Chen*  
Tsung Yen Chen

(3) State of California )  
County of Alameda )

On 5-13-98 before me, Susan Ahearn, personally appeared Tsung Yen Chen, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

*Susan Ahearn*  
Signature