

08-26-2004

Form PTO-1595  
(Rev. 10/02)

RE

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

OMB No. 0651-0027 (exp. 6/30/2005)

102822796

Tab settings ⇨ ⇨ ⇨ ▼ ▼ ▼ ▼

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

## 1. Name of conveying party(ies):

- 1) Gregory Allen North
- 2) Murli Ganeshan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other \_\_\_\_\_

Execution Date: 1) Sept. 26, 2000; 2) Sept. 28, 2000

## 2. Name and address of receiving party(ies)

Name: Cirrus Logic, Inc.

Internal Address: \_\_\_\_\_

Street Address: 2901 Via FortunaCity: Austin State: TX Zip: 78746Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

101922219

If this document is being filed together with a new application, the execution date of the application is: 8/19/04A. Patent Application No.(s) 09/591,659

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James J. Murphy

Internal Address: \_\_\_\_\_

Street Address: THOMPSON & KNIGHT LLP1700 Pacific Avenue, Suite 3300City: Dallas State: TX Zip: 75201-46936. Total number of applications and patents involved: ☐7. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

20-0821

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## 9. Signature.

James J. Murphy

Name of Person Signing

Signature

August 19, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

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PATENT  
REEL: 015714 FRAME: 023017548 U.S. PTO  
10/922219

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**JOINT CORPORATE ASSIGNMENT**

WHEREAS, the undersigned,

1. Gregory Allen North, resident of 804 Weston Lanes, Austin, Travis County, Texas, 78733; and
2. Murli Ganeshan, resident of 4210 South Industrial Blvd., Austin, Travis County, Texas 78744

have invented certain new and useful improvements in:

**MATH COPROCESSOR**

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

xx\_ On the

1. ---h day of ----, 2000; and
2. ---d day of ----, 2000

respectively; or

\_XXX\_ Said application having Application Number 09/591,659 and filed on the \_  
9th day of June, 2000.

WHEREAS CIRRUS LOGIC, INC. (hereinafter termed "Assignee"), a corporation of DELAWARE, having a place of business at 4210 South Industrial Blvd., Austin, Texas 78744, 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 to any and all countries of the world for patents, 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 expenses 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.

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.

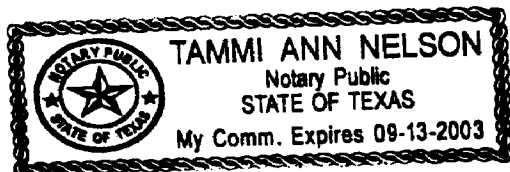
IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee on the date of acknowledgment before the Notary Public as given below.

(1) State of Texas §  
County of Travis §

(1) Gregory Allen North  
Gregory Allen NORTH

Before me, Tammi Ann Nelson, a notary public, on this day personally appeared Gregory Allen North, known to me 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 for the purposes and considerations therein expressed.

Given under my hand and seal on the 26<sup>th</sup> day of September, 2000.



Tammi Ann Nelson  
Notary Public Signature

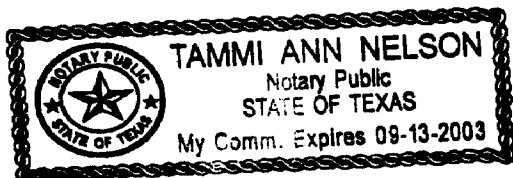
Tammi Ann Nelson  
Notary Public Printed Name

(2) State of Texas §  
County of Travis §

(2) Murli Ganeshan  
Murli GANESHAN

Before me, Tammi Ann Nelson, a notary public, on this day personally appeared Murli Ganeshan, known to me 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 for the purposes and considerations therein expressed.

Given under my hand and seal on the 28<sup>th</sup> day of September, 2000.



Tammi Ann Nelson  
Notary Public Signature

Tammi Ann Nelson  
Notary Public Printed Name

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