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U.S. DEPARTMENT OF COMMERCE
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PTO-1595

(Rev. 10/02)

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

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

1. Name of conveying party(ies):

2-3-03

1. GRALE, Trenton John 2. RHODE, Jason Powell,
and 3. THOMPSON, Karl

2. Name and address of receiving party(ies)

Name: Cirrus Logic, Inc.

Internal Address: _____

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. Grale, Trenton Jon on Dec. 18, 2002,
2. Rhode, Jason Powell on January 22, 2003 and #
Thompson, Karl on December 18, 2002

1. 12/18/02, 2. 1/22/03 and 3.

Execution Date: 12/18/02

Street Address: 2901 Via Fortuna

City: Austin State: TX Zip: 78746

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: _____

A. Patent Application No.(s) _____

10/281,715 filed Oct. 28, 2002

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, Esq.

Internal Address: Winstead Sechrest & Minick P.C.

5400 Renaissance Tower

Street Address: 1201 Elm Street

City: Dallas State: TX Zip: 75270

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:

23-2426 of Winstead Sechrest & Minick, P.C.

DO NOT USE THIS SPACE

9. Signature.

James J. Murphy, Esq.

Name of Person Signing

James J. Murphy
Signature

Jan. 27 2003

Date

Total number of pages including cover sheet, attachments, and documents: 6

02/05/2003 LMUELLER 00900031 10281715

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

01 FEB 2003

40.00 DP

PATENT
REEL: 013717 FRAME: 0437

JOINT CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

1. GRALE, Trenton John, resident of 443 Joe Small Road, Bastrop, Texas 78602
2. RHODE, Jason Powell, resident of 2710 Colorado Street, Apt. 4H, Austin, Travis County, Texas 78701; and
3. THOMPSON, Karl, resident of 9934 Autumn Dawn, Converse, Texas 78109; an

have invented certain new and useful improvements in:

DATA CONVERSION CIRCUITS AND METHODS WITH INPUT CLOCK SIGNAL FREQUENCY DETECTION AND MASTER MODE OUTPUT CLOCK SIGNAL GENERATION

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

On the 1. ____th day of ____, 2002;

On the 2. ____th day of ____, 2002; and

On the 3. ____ day of ____, 2002

____XXX____ Said application having Application Number 10/281,715 and filed on the 28th day of October, 2002.

WHEREAS CIRRUS LOGIC, INC. (hereinafter termed "Assignee"), a corporation of DELAWARE, having a place of business at 2901 Via Fortuna, Austin, Texas 78746, 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.

(1) State of TEXAS

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§

Trenton John Grale
Trenton John GRALE

County of Travis_____

Before me, *Cindy Buzan*, a notary public, on this day
personally appeared *Trenton John Grale*, 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 *18th* day of *December*, 2002.

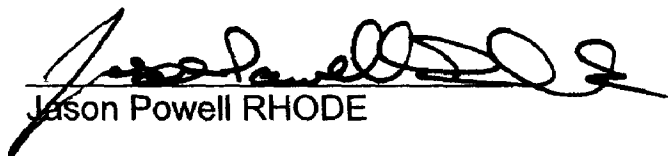
Cindy T Buzan
Notary Public Signature
Cindy T. Buzan
Notary Public Printed Name



(2) State of TEXAS

County of Tarrant

§
§
§


Jason Powell RHODE

Before me, Bonnie Niemtschik, a notary public, on this day
personally appeared Jason Powell Rhode, 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 22 day of January, 2003.


Notary Public Signature


Bonnie Niemtschik
Notary Public Printed Name



(3) State of TEXAS

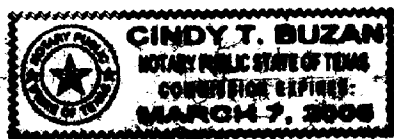
County of Travis

§
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Karl THOMPSON

Before me, Cindy Buzan, a notary public, on this day
personally appeared Karl Thompson, 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 18th day of December, 2002.




Notary Public Signature

Cindy T. Buzan
Notary Public Printed Name

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2836-P229US 12/11/2002