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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):

1. Johann Guy Gaboriau
2. John Laurence Melanson
3. Lingli Zhang
4. Melvin L. Hagge

1-29-04

2. Name and address of receiving party(ies)

Name: Cirrus Logic, Inc.Internal Address: Intellectual Properties DepartmentAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

1. Johann Guy Gaboriau on Dec. 16, 2003, 2. John Laurence Melanson
on Dec. 12, 2003, 3. Lingli Zhang on Dec. 16, 2003, and 4. Melvin L.
Hagge on Jan. 26, 2004

Execution Date: _____

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):

10767906

If this document is being filed together with a new application, the execution date of the application is: Jan 27, 2004

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: James J. MurphyInternal Address: Winstead Sechrest & Minick P.C.Street Address: P.O. Box 50784City: Dallas State: TX Zip: 752016. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

23-2426

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9. Signature.

James J. Murphy

Name of Person Signing

James J. Murphy
SignatureJan 27, 2004

Date

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

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

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

02/05/2004 NGETACHE 00000063 10767906

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PATENT
REEL: 014946 FRAME: 0432

JOINT CORPORATE ASSIGNMENT

Express Mail Label No.
EL 859 423 292 US

WHEREAS, the undersigned,

1. Johann Guy Gaboriau, resident of 2430 Cromwell Circle, Apartment 1706, Austin, Travis County, Texas 71689;
2. John Laurence Melanson, resident of 901 West 9th, No. 201, Austin, Travis County, Texas, 78703; and
3. Lingli Zhang, resident of 6503 Bluff Springs Road, No. 1610, Austin, Travis County, Texas 78744; and
4. Melvin L. Hagge, resident of 4206 Deer Tract, Round Rock, Travis County, Texas 778681-1234.

have invented certain new and useful improvements in:

CIRCUITS AND METHODS FOR REDUCING NOISE AND
DISTORTION IN PULSE WIDTH MODULATION SYSTEMS

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

1. On the 16th day of December, 2003;
2. On the 12th day of December, 2003;
3. On the 16th day of December, 2003; and
4. On the 26th day of January, 2004

_____ Said application having Application Number _____/_____ and filed on the _____ day of _____, 2003.

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 WSM 2836-P272US

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) 
Johann Guy GABORIAU

Date: 16 Dec 2003

Residence:

2430 Cromwell Circle, Apartment 1706, Austin, Travis County, Texas 71689

(2) 
John Laurence MELANSON

Date: 12 Dec 2003

Residence:

901 West 9th, No. 201, Austin, Travis County, Texas, 78703

(3) 
Lingli ZHANG

Date: 16 Dec 2003

Residence:

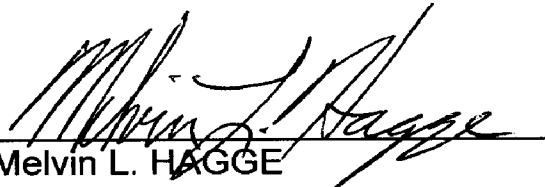
6503 Bluff Springs Road, No. 1610, Austin, Travis County, Texas 78744

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(4)


Melvin L. HAGGE

Date: 1/26/04

Residence:

4206 Deer Tract, Round Rock, Travis County, Texas 78681-1234