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Form PTO-1595 (Rev. 03/05)  
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE  
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**John L. Melanson (1)  
Melvin L. Hagge (2)  
Brian David Trotter (3)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) (1) - 12/06/2006; (2)(3) - 12/07/2006

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**Name: Cirrus Logic, Inc.

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

Street Address: 2901 Via FortunaCity: AustinState: TXCountry: USZip: 78746Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Weiss, Moy & Harris, P.C.

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

Street Address: 4204 North Brown AvenueCity: ScottsdaleState: AZZip: 85251Phone Number: 480-994-8888Fax Number: 480-947-2663Email Address: mharris@weissmoyharris.com**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$40**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**a. Credit Card Last 4 Numbers \_\_\_\_\_  
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**9. Signature:**

Signature

12-07-2005

Date

Andrew M. Harris, 42,638

Name of Person Signing

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

4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
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PATENT  
REEL: 017347 FRAME: 0692

ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, We, **John L. Melanson, Melvin L. Hagge and Brian David Trotter** have sold, assigned and transferred and do hereby sell, assign and transfer unto **Cirrus Logic, Inc.**, and its successors, assigns and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in "**CENTERED-PULSE CONSECUTIVE EDGE MODULATION (CEM) METHOD AND APPARATUS**" described and illustrated in an application for Letters Patent of the United States of America, executed by us of even date herewith, together with the entire right, title and interest in and to said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

I also hereby sell, assign and transfer unto said **Cirrus Logic, Inc.**, the entire right, title and interest in and to said invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of said inventions and said applications for Letters Patent in foreign countries, and I further authorize said **Cirrus Logic, Inc.**, to apply for Letters Patent in foreign countries


directly in its own name, and to claim the priority of the filing date of the said application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

I hereby authorize and request the Commissioner for Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to **Cirrus Logic, Inc.**, for the sole use and benefit of said **Cirrus Logic, Inc.**, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, the same as they would have been held and enjoyed by us had this assignment not been made, and I hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to said **Cirrus Logic, Inc.**

I agree that, when requested, I will, without charge to said **Cirrus Logic, Inc.**, but at its expense, sign all papers take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in all countries and for vesting title thereto in said **Cirrus Logic, Inc.**, its successors, assigns and legal representatives or nominees.

I covenant with said **Cirrus Logic, Inc.**, its successors,  
assigns and legal representatives, that the interest and property  
hereby conveyed is free from all prior assignment, grant, mortgage,  
license or other encumbrance.

Dated: 6 DEC 2005

  
\_\_\_\_\_  
John L. Melanson

Dated: 7 DEC 2005

  
\_\_\_\_\_  
Melvin L. Hagge

Dated: 12/7/2005

  
\_\_\_\_\_  
Brian David Trotter