

08-13-2002

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ed original documents or copy thereof.

To the Honorable Commissioner of Pat

1. Name of conveying party(ies):

1) Melanson, John Lawrence

8.2.02

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

Assignment executed on

1) John Melanson on August 1, 2002

Name and address of receiving party(ies):

Name: CIRRUS LOGIC, INC.

Internal Address: Intellectual Properties Dept.

Street Address: 4210 South Industrial Blvd.

City: Austin State: Texas ZIP: 78744

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

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

10/211847

If this document is being filed together with a new application, the execution date of this application is: ____, 200

A. Patent Application No.(s)

B. Patent No.(s) x

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: 5400 Renaissance Tower

Street Address: 1201 Elm

City: Dallas State: Texas 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 L.P.

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

James J. Murphy, Esq.
Name of Person Signing

James J. Murphy
Signature

August 2, 2002

Date

Total number of pages comprising cover sheet, attachments, and document: \$+5+1

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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2836-P195US 08/02/2002

PATENT
REEL: 013172 FRAME: 0704



JOINT CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

1. MELANSON, John Laurence, resident of 2002 South Mopac, No. 122, Austin, Travis County, Texas, 78746;

has invented certain new and useful improvements in:

**NOISE SHAPERS WITH SHARED AND INDEPENDENT FILTERS AND
MULTIPLE QUANTIZERS AND DATA CONVERTERS AND
METHODS USING THE SAME**

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

xx On the 1. 1st day of August, 2002;

_____ Said application having Application Number ____/_____ and filed on the _ day of _____, 2002.

WHEREAS CIRRUS LOGIC, INC. (hereinafter termed "Assignee"), a corporation of DELAWARE, having a place of business at 4210 South Industrial Boulevard, 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.

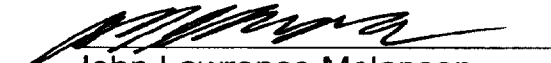
Attorney Docket No.
1355-CA

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PATENT

(1) State of TEXAS
County of Travis_____

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§



John Lawrence Melanson
van

Before me, Kathleen Adams, a notary public, on this day personally appeared John Melanson, 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 1st day of August, 2002.

Kathleen Adams
Notary Public Signature

Kathleen Adams
Notary Public Printed Name

**My Commission Expires
12/17/2005**

DALLAS_1136658531
2836-P195US 07/30/2002

WSM 2836-P195US

RECORDED: 08/02/2002

**PATENT
REEL: 013172 FRAME: 0707**