

12-10-1998



ATTORNEY
DOCKET NO. 0750-CS-D5(2836-P059D5)

100857050

PATENT
ASSIGNMENT COVER LETTER
U.S. Ser. No. 09/031,447

1

MD
7-22-98

Box Assignment
Commissioner of Patents and Trademarks
Washington, D.C. 20231

09/031,447

ASSIGNMENT COVER LETTER ACCOMPANYING
NEW PATENT APPLICATION

1. Particulars of the application for which the accompanying assignment applies are as follows:

Inventor(s):

- (1) Ronald J. Malcolm, Jr.
- (2) Jeff Klaas

AMENDED Title of Invention:

SINGLE-CHIP AUDIO SYSTEM MIXING CIRCUITRY
AND METHODS

2. Execution Date of Application:

By

- (1) Ronald J. Malcolm, Jr. on June 29, 1998
- (2) Jeff Klaas one June 29, 1998

3. Name of Assignor(s):

By

- (1) Ronald J. Malcolm, Jr.
- (2) Jeff Klaas

4. Name and Address of Assignee(s):

- (1) Cirrus Logic, Inc.
3120 West Warren, M.S 521
Fremont, California 94538-6419

48E

5. A brief description of what the accompanying document intends to accomplish is that it is an:

An assignment of entire right, title and interest.

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PATENT
ASSIGNMENT COVER LETTER
U.S. Ser. No. 09/031,447

2

Execution Date of Assignment:

By (1) Ronald J. Malcolm, Jr. on June 29, 1998
(2) Jeff Klaas on June 29, 1998

6. Fee payment is provided for as follows:

\$40.00

7. Please return the recorded document to:

J.P. Violette, Esq.
Cirrus Logic, Inc.
Intellectual Property Dept
3120 West Warren, M.S 521
Fremont, California 94538-6419
Registration No. 33,042
Telephone: (510) 252-6230

8. The undersigned attorney states that the information contained on this cover sheet is true and correct to the best of his knowledge and belief.

Enclosed is a check in the amount of \$40.00. Please charge any additional fees or credit any overpayment to Deposit Account No. 23-2426 of **Winstead Sechrest & Minick P.C.** A duplicate copy of this sheet is enclosed.



James J. Murphy
Reg. No. 34,503
5400 Renaissance Tower
1201 Elm Street
Dallas, Texas 75270
(214) 745-5374

July 15, 1998

::CDMA\PCDOCS\DALLAS_1\3042431\1
2836-P059D4(P076US)
041096 v1

ASSIGNMENT

WHEREAS, I the undersigned inventor, of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Cirrus Logic, Inc. (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 3120 West Warren, MS 521, Fremont, California 94538-6419, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in ITS own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Amended Title of Invention: SINGLE-CHIP AUDIO SYSTEM MIXING CIRCUITRY AND METHODS

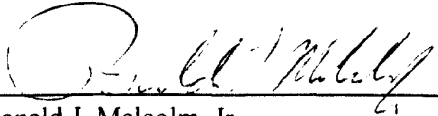
This is a Divisional Application of Pending U.S. Application Serial No. 08/949,563 filed October 14, 1997 and entitled "SINGLE-CHIP AUDIO CIRCUITS, METHODS AND SYSTEMS USING THE SAME"

ATTORNEY DOCKET NO.
0750-CS-D5 (2836-P059D5)

PATENT APPLICATION
U.S. Serial No. 09/031,447

2

Signature of Inventor
Inventor's name:
Residence (City, County, State)



Ronald J. Malcolm, Jr.
Austin, Travis County, Texas

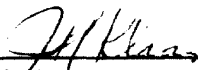
Date:

6-29-98

Date Application Executed:

6-29-98

Signature of Inventor:
Inventor's name:
Residence (City, County, State)



Jeff Klaas
Austin, Travis County, Texas

Date:

6/29/98

Date Application Executed:

6/27/98

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