FORM PTO-1595 (Rev. 6-93)	05-07-1999	HEET	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
OMB No. 0651-0011 (exp. 4/94)			jc 5
To the Honorable Commissioner	101030672	∌ attached origin	nal documents or copy and of ∞
Name of conveying party(ies):	•	Name and address of re	eceiving party(ies): 7
1) SWANSON, Eric		Name: CIRRUS LOGIC	, INC.
Additional name(s) of conveying party(ies) attached	i? □ Yes ⊠ No	Internal Address: Intelle	ctual Properties Dept. M/X 521
Nature of conveyance:		Street Address: 3100 West Warren Avenue	
	ger nge of Name	City: Fremont State: 0	California ZIP: 94538-6419
Execution Date: 1) April 26, 1999		Additional name(s) & addr	ress(es) attached? □ Yes □ No
4. Application number(s) or patent number(s	s):		
If this document is being filed together wit	h a new application, th	e execution date of this a	pplication is:, 1999
A. Patent Application No.(s) x		B. Patent No.(s) x	
Ad	ditional numbers attacl	ned? □ Yes □ No	
5. Name and address of party to whom corrections concerning document should be mailed:	espondence 6.	Total number of application	ons and patents involved:
Name: James J. Murphy, Esq.	7.	Total fee (37 CFR 3.41)	·
Internal Address: 5400 Renaissance Tow	er	☑ Enclosed☐ Authorized to be ch	arged to deposit account
Street Address: 1201 Elm Street		Deposit account number: 23 2426of Winstead Sechrest &	
City: Dallas State: Texas ZIP: 75270		Minick L.P. (Attach duplicate copy of this page if paying by deposit account)	
5/06/1999 JSHABAZZ 00000032 09300710	DO NOT USE TH	IIS SPACE	
1 FC:581 40.00 D			
Statement and signature. To the best of my knowledge and belief, the original document.	he foregoing informatio	n is true and correct and	any attached copy is a true copy of
James J. Murphy, Esq. Name of Person Signing	nu f Mu plus Signatu	TE	April 27, 1999 Date

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

FDA960110294::ODMA\PCDOCS\DALLAS_1\3144470\1

£3011

PATENT REEL: 9927 FRAME: 0965

Cirrus File Number: 0950-CS

JOINT CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

On the

1. Eric J. Swanson, resident of 850 Jerry's Lane, Buda, Hays County, Texas 78610, have invented certain new and useful improvements in:

IN 1-BIT AUDIO APPLICATIONS AND SYSTEMS USING THE SAME

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

1. <u>26</u> day of <u>April</u> , 1999
respectively; or
Said application having Application Number/ and filed on theth day of, 199
WHEREAS <u>CIRRUS LOGIC</u> , <u>INC</u> . (hereinafter termed "Assignee"), a corporation of <u>DELAWARE</u> , having a place of business at <u>3100 West Warren Avenue</u> , Fremont, California <u>94830-6919</u> , 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

2836-P089US

PATENT
REEL: 9927 FRAME: 0966

Cirrus File Number: 0950-CS

patents, certificates of _______, 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 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.

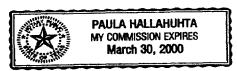
2836-P089US

Cirrus File Number: 0950-CS

State of Texas (2) County of TRAVIS

> Before me, PAULA HALLAHUHTA, a notary public, on this day personally appeared ERIC SWANSON, 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 16 day of 1800 day



Motary Public Signature

Notary Public Printed Name

PAULA HALLAHUHTA

::ODMA\PCDOCS\DALLAS_1\3144412\1 233:2836-p089us

2836-P089US

RECORDED: 04/27/1999

PATENT REEL: 9927 FRAME: 0968