Form PTO-1:95 (Rev. 10/02)	RE	
OMB No. 0651-0027 (exp. 6/30/2005)		102329864

Form PTO-1:95 RE (Rev. 10/02)	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office				
	29864				
Tab settings ⇔⇔⇔ ▼ ▼ ▼ ▼					
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.				
Name of conveying party(ies):	2. Name and address of receiving party(ies)				
1) Johann Guy GABORIAU and 2) Xiaofan FEI	Name: Cirrus Logic, Inc.				
12-26-02	Internal Address:				
Additional name(s) of conveying party(les) attached? Yes No					
3. Nature of conveyance:					
Assignment Merger					
Security Agreement Change of Name	Street Address: 2901 Via Fortuna				
Other	***************************************				
1) GABORIAU on Dec. 18, 2002 and	City: Austin State: TX Zip: 78746				
Execution Date: 2) FEI on Dec. 18, 2002	Additional name(s) & address(es) attached? Yes V				
Application number(s) or patent number(s):					
If this document is being filed together with a new appl	ication, the execution date of the application is:				
A. Patent Application No.(s)	B. Patent No.(s)				
A. Patent Application No.(s) 10, 329 8 5 3					
Additional numbers at	tached? Yes V No				
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:				
concerning document should be mailed: Name: James J. Murphy, Esq.	7. Total fee (37 CFR 3.41)\$40.00				
Internal Address: Winstead Sechrest & Minick, P.	✓ Enclosed				
5400 Renaissance Tower	Authorized to be charged to deposit account				
	8. Deposit account number:				
Street Address: 1201 Elm Street	Minute ad One hand 9 Ministra				
	Winstead Sechrest & Minick's account No. 23-2426				
City: Dallas State: TX Zip: 75270					
DO NOT USE THIS SPACE					
9. Signature.					
James J. Murphy, Esq. Am I Mander Dec.26, 2002					
Name of Person Signing	Signature Date				
DRYPHE 00000119 10329853 Total number of pages including cover sheet, attachments, and documents: 4+\$ 1					
Mail documents to be recorded with required cover sheet information to:					

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01/06/20

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

JOINT CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

On the 1

ΥY

- 1. Gaboriau, Johann G. resident of 2430 Cromwell Circle, Apt. No. 1706, Austin, Travis County, Texas 78741; and
- 2. Xiaofan, Fei resident of 9013 Wampton Way, Austin, Travis County, Texas 78749

have invented certain new and useful improvements in:

AUTOMATIC MODE DETECTION CIRCUITS

AND METHODS AND SYSTEMS UTILIZING THE SAME

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

18th day of December, 2002:

,			
On the	2.	18th day of December, 2002; and	
on the	_ day	Said application having Application Number of, 2001.	 _ and filed

WHEREAS <u>CIRRUS LOGIC</u>, <u>INC</u>. (hereinafter termed "Assignee"), a corporation of <u>DELAWARE</u>, having a place of business at <u>2901 Via Fortuna</u>, <u>Austin</u>, <u>Texas 78746</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 patents,

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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.

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(1) State of TEXAS	§	
County of Travis	9 9	Johann G. Gaboriau

Before me, Bown'e Niewtschk, a notary public, on this day personally appeared Johann G. Caloriau, 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.

Notary Public Signature

Notary Public Printed Name



(2) State of TEXAS	§		
County of Travis	§ §	Xiaofan FEI	
Before me, Bonne Niemtschk appeared <u>Xiaofan Fei</u> name(s) is/are subscribed to the within he/she/they executed the same for the	instrument and	d acknowledge	ed to me that
Given under my hand and seal on the	Toyoh 8	nechous of	2002

BONNE MEMTSCHK
HOTARY PUBLIC STATE OF TEXAS
COMMISSION EXPIRES:
MARCH 19, 2005

Notary Public Signature

Notary Public Printed Name

DALLAS_1\3734016\1 2836-P264US 11/13/2002

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RECORDED: 12/26/2002

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