Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Murari KEJARIWAL	11/29/2001
Prasad AMMISETTI	11/29/2001
Axel THOMSEN	12/03/2001
John Laurence MELANSON	12/03/2001

RECEIVING PARTY DATA

Name:	CIRRUS LOGIC, INC.
Street Address:	2901 Via Fortuna
City:	Austin
State/Country:	TEXAS
Postal Code:	78746

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11410362

CORRESPONDENCE DATA

Fax Number: (214)969-1751

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (214)969-1700

Email: Yanela.Carpenter@tklaw.com

Correspondent Name: James J. Murphy
Address Line 1: 1700 Pacific Avenue

Address Line 2: Suite 3300

Address Line 4: Dallas, TEXAS 75201

ATTORNEY DOCKET NUMBER:	021615.500658
NAME OF SUBMITTER:	James J. Murphy

PATENT REEL: 017574 FRAME: 0511

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Total Attachments: 7 source=ASSIGNMENT_CIRRUS_1248_CIC_CI#page1.tif source=ASSIGNMENT_CIRRUS_1248_CIC_CI#page2.tif source=ASSIGNMENT_CIRRUS_1248_CIC_CI#page3.tif source=ASSIGNMENT_CIRRUS_1248_CIC_CI#page4.tif source=ASSIGNMENT_CIRRUS_1248_CIC_CI#page5.tif source=ASSIGNMENT_CIRRUS_1248_CIC_CI#page6.tif

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PATENT REEL: 017574 FRAME: 0512

JOINT CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

- 1. Kejariwal, Murari, resident of 11006 Whiskey River Road, Austin, Travis County, Texas 78748:
- 2. AMMISETTI, Prasad, resident of 4701 Stagebrugh, Apt. 1133, Austin, Travis County, Texas 78749;
- 3. THOMSEN, Axel, resident of 1305 West 40th Street, Austin, Travis County, Texas 78756; and
- 4. MELANSON, John Laurence, resident of 2001 South Mopac, No. 122, Austin, Travis County, Texas, 78746;

have invented certain new and useful improvements in:

NON-INVASIVE, LOW PIN COUNT TEST CIRCUITS AND METHODS

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

xx On the 1. 29th day of Nov. 2001;	
On the 2. 29th day of Nov. 2001;	
on the 3rd day of Dec. 2001; and	
4. on the3rd day of Dec., 2001	
Said application having Application Number/ on the _ day of, 2001.	and filed
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WHEREAS <u>CIRRUS LOGIC</u>, <u>INC</u>. (hereinafter termed "Assignee"), a corporation of <u>DELAWARE</u>, having a place of business at <u>4210 South Industrial Boulevard</u>, <u>Austin Texas 78744</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

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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.
- 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.

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PATENT

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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PATENT REEL: 017574 FRAME: 0515 (1) State of TEXAS

County of Travis

Before me, (appeared //

, a notary public, on this day personally , 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 29 day of 10

REGINA TRAFFORD MY COMMISSION EXPIRES MAY 29, 2005

REGINA TRAFFORD Notary Public Printed Name

Attorney	Docket	No.
1248-CA		

PATENT

(2) State of TEXAS

County of Travis

Before me appeared Phase

, a notary public, on this day personally , 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 29 day of November

REGINA TRAFFORD MY COMMISSION EXPIRES MAY 29, 2005

Attorney Docket No. 1248-CA		PATENT
(3) State of TEXAS	§	And Vree
County of Travis	<i>ത</i>	Axel THOMSEN
name(s) is/are subscribed to the withir	ı instr	_, a notary public, on this day personally known to me to be the person(s) whose rument and acknowledged to me that loses and considerations therein expressed.
Given under my hand and seal on the	3rd	_day of <u>December</u> , 2001.
CRYSTAL J. LEVESQUE MY COMMISSION EXPIRES April 15, 2003		Notacy Public Signature (RUSTAL T. Love Source

Attorney Docket No. 1248-CA	PATENT
(4) State of TEXAS Travis County	§ John Laurence Melanson §
name(s) is/are subscribed to the within	, a notary public, on this day personally <u>on</u> , known to me to be the person(s) whose instrument and acknowledged to me that purposes and considerations therein expressed.
Given under my hand and seal on the _	3rd day of <u>Ocember</u> , 2001.
CRYSTAL J. LEVESQUE MY COMMISSION EXPIRES April 18, 2008	Notary Public Signature Rustal J. Levesoue Notary Public Printed Name

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RECORDED: 05/04/2006

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PATENT REEL: 017574 FRAME: 0519