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Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings

RE

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Kartik Nanda Aryesh Amar Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies) Name: Cirrus Logic, Inc. Internal Address: Street Address: 2901 Via Fortuna City: Austin State: TX Zip: 78746 Additional name(s) & address(es) attached? No

19270 U.S. PTO 11/011983

121404

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: December 9, 2004

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: James J. Murphy Internal Address: Street Address: THOMPSON & KNIGHT LLP 1700 Pacific Avenue, Suite 3300 City: Dallas State: TX Zip: 75201-4693

6. Total number of applications and patents involved: 6. Total fee (37 CFR 3.41).....\$ 40.00 [X] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number: 20-0821

DO NOT USE THIS SPACE

9. Signature. BYRNE 00000076 11011983 James J. Murphy 40.00 DP Name of Person Signing

Signature

December 13, 2004 Date

Total number of pages including cover sheet, attachments, and documents: 3

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

12/23/2004 01 FC:8021

PATENT REEL: 016092 FRAME: 0641

JOINT CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

1. NANDA, Kartik, resident of P. O. Box 303, Austin, Texas 78767 and
2. AMAR, Aryesh., resident of 10312 Dalea Vista Court, Austin, Texas 78739

have invented certain new and useful improvements in:

**CIRCUITS AND METHODS FOR IMPLEMENTING
MODE SELECTION IN MULTIPLE-MODE
INTEGRATED CIRCUITS**

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

1. On the 9th day of December, 2004; and
2. On the 9th day of December 2004.

_____ Said application having Application Number _____ / _____ and filed on the day of _____.

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

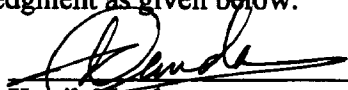
2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production 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.

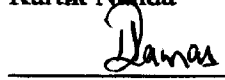
4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee on the date of acknowledgment as given below.

Dated: 12/9/2004


Kartik Narida

Dated: 12/9/2004


Aryesh Amar

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