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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

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CHARLES DWIGHT LANE, ZIWEI ZHENG,
JOHN JEROME KORNBLUM and BAETON CHARLES RIGSBEE

Execution Date(s) 7/23/04

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies)

Name: ANALOG DEVICES, INC.

Internal Address: _____

Street Address: ONE TECHNOLOGY WAY

City: NORWOOD

State: MASSACHUSETTS

Country: U.S.A. Zip: 02062

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: KOPPEL, JACOBS, PATRICK & HEYBL

Internal Address: _____

Street Address: 555 ST. CHARLES DR., SUITE 107

City: THOUSAND OAKS

State: CALIFORNIA Zip: 91360

Phone Number: (805) 373-0060

Fax Number: (805) 373-0051

Email Address: generalmail@koppelpatent.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 11-1580

Authorized User Name Richard S. Koppel

9. Signature:

Richard S. Koppel
Signature

8/3/04
Date

RICHARD S. KOPPEL

Name of Person Signing

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

2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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ASSIGNMENT

We, Charles Dwight Lane, Ziwei Zheng, John Jerome Kornblum and Baeton Charles Rigsbee, residing respectively at 4700 Jessup Grove Road, Greensboro, North Carolina 27410, 4603 Crowne Lake Circle #2D, Jamestown, North Carolina 27282, 1905 Regents Park Lane, Greensboro, North Carolina 27455 and 113 East Bellevue Drive, High Point, North Carolina 27265, represent that we have invented a new and useful "CORRECTION METHODS AND STRUCTURES FOR ANALOG-TO-DIGITAL CONVERTER TRANSFER FUNCTIONS", for which we have executed an application for Letters Patent of the United States of America on the same day as our execution of this Assignment.

ANALOG DEVICES, INC. (ADI) is a corporation organized and existing under the laws of the State of Massachusetts, has a place of business at One Technology Way, Norwood, Massachusetts 02062, and desires to acquire the entire right, title, and interest in and to the invention, application, and letters patent to be granted and issued thereon.

For valuable consideration, the receipt and legal sufficiency of all of which we acknowledge, we have sold and do hereby sell, assign, transfer, and set over unto ADI, its successors and assigns, the entire right, title, and interest in and to the invention and all improvements thereon, in and to the application for letters patent thereon, in and to applications pertaining to or based upon the invention and application, including divisional and continuing applications and continuations-in-part, and in and to any and all letters patent which may be granted and issued on the invention and applications, or any of them, in the United States of America, its territories and possessions, and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

We also agree that we will, at the request of ADI, execute any and all applications for letters patent for the invention, execute any and all other papers and documents and do all other and further lawful acts that ADI may deem necessary or desirable to obtain letters patent on the invention, to secure the grant of such letters patent and to protect and vest in ADI the undivided interests in the right, title and interest in the invention, applications and letters patent.

We also authorize and empower ADI, its successors and assigns to apply for and obtain, in its or their own names, letters patent for the invention before competent International Authorities and in any and all countries foreign to the United States in which applications for letters patent can be so made or letters patent so obtained.

Signed at Greensboro, North Carolina, 7/23/04 2004

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