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COVER SHEET ONLY

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Tab settings

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

1. Name of conveying party(ies):

Edward Barry Hilton

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

3. Nature of conveyance:

- Assignment, Merger, Security Agreement, Change of Name, Other

Execution Date: May 18, 1999

2. Name and address of receiving party(ies)

Name: ANALOG DEVICES, INC.

Internal Address: [Vertical stamp: JCS11 U.S. PTO 09/31/872 05/19/99]

Street Address: One Technology Way

City: Norwood State: MA ZIP: 02062

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

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: May 18, 1999

A. Patent Application No.(s)

09 314872

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: KOPPEL & JACOBS

Internal Address: Richard S. Koppel (Stamp: 05/28/1999 MGORDON 00000046 09314872 2 FC:581 40.00 DP)

Street Address: 555 St. Charles Drive

Suite 107

City: Thousand Oaks State: CA ZIP: 91360

6. Total number of applications and patents involved: 1

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

- Enclosed, Authorized to be charged to deposit account

8. Deposit account number:

11-1580

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Richard S. Koppel Name of Person Signing

Richard S. Koppel Signature

5/19/99 Date

Total number of pages including cover sheet, attachments, and document: 2

ASSIGNMENT

I, Edward Barry Hilton, residing at 42 Clubhouse Lane, Wayland, Massachusetts 01778, represent that I have invented a new and useful "DELAY AND INTERPOLATION TIMING STRUCTURES" for which I 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 I acknowledge, I 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.

I also agree that I 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.

I 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 Natick, Massachusetts May 18th, 1999

[Signature]
Edward Barry Hilton

WITNESS

[Signature]
CHRISTOPHER S. DAIGLE

WITNESS

[Signature]
PAUL HILTON