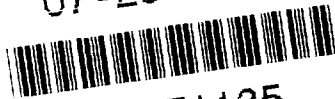


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## PATENTS ONLY

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07/16/02

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

## 1. Name of conveying party(ies):

Michael D. Eby  
Kenneth Carl Zemlok  
Colin David Duggan

## 2. Name and address of receiving party(ies)

Name: Analog Devices, Incorporated

Internal Address:

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

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Street Address: One Technology Way

City: Norwood State: MA Zip: 02062

Execution Date: 07/01/02

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: 07/01/02

A. Patent Application No.(s)

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, Patrick &amp; Heybl

Internal Address: Richard S. Koppel

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

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## 9. Signature.

Richard S. Koppel

Name of Person Signing

Signature

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

## A S S I G N M E N T

We, Michael D. Eby, residing at 20114 NE Bridlewood Road, Battle Ground, Washington 98604, Kenneth Carl Zemlok, residing at Westwood, Massachusetts with mailing address of P.O. Box 837 and Colin David Duggan, residing at 17A Algonquin Road, Canton, Massachusetts 02021, represent that we have invented a new and useful "READ/WRITE MEMORY ARRAYS AND METHODS WITH PREDETERMINED AND RETRIEVABLE LATENT-STATE PATTERNS" 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 ADI Norwood, Massachusetts, JULY 1<sup>ST</sup> 2002

Kenneth Zemlok  
Kenneth Carl Zemlok

Colin David Duggan  
Colin David Duggan

WITNESS

Matthew Gabor

WITNESS

Frederick Lee

## A S S I G N M E N T

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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 VANCOUVER, Washington, JULY 1 2002

Michael D. Eby  
Michael D. Eby

WITNESS

James E. DeMaris  
James E. DeMaris

WITNESS

Gregory Mikol  
Gregory Mikol