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To the Honorable Commission of Patents a

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original documents or copy thereof.

1. Name of conveying party(ies):

- (1) Yow-Juang W. Liu
- (2) Hugh Sungki O
- (3) Richard G. Cliff

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

3. Nature of conveyance:

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

Execution Date: 10/20/2003; 10/17/2003; 10/17/2003

2. Name and address of receiving party(ies)

Name: ALTERA CORPORATION

Internal Address: _____

Street Address: 101 Innovation Drive

City: San Jose State: CA Zip: 95134

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

4. Application number(s) or patent number(s):

10691756

If this document is being filed together with a new application, the execution date of the application is: 10/20/2003; 10/17/2003; 10/17/2003

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: Daniel M. Becker

Internal Address: _____

Street Address: Fish & Neave

1251 Avenue of the Americas

City: New York State: NY ZIP: 10020

6. Total number of applications and patents involved:

1

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

☒ Enclosed

☒ Additional Fees are authorized to be charged to deposit account

8. Deposit account number:

06-1075

(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.

Daniel M. Becker

Name of Person Signing

Reg. No. 38,376


Signature

October 22, 2003

Date

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

3

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ASSIGNMENT

WHEREAS, we,

- (1) Yow-Juang W. Liu ;
 (2) Hugh O ; and
 (3) Richard G. Cliff *Hugh Sung Ki O.*

residing respectively, at

- (1) 1213 Tivoli Way, San Jose, CA 95120 ;
 (2) 117 King Avenue, Fremont, CA 94536 ; and
 (3) 6 Middlebury Lane, Los Altos, CA 94022

have made an invention entitled:

**INTEGRATED CIRCUITS WITH REDUCED
STANDBY POWER CONSUMPTION**

and are about to make application for United States Letters Patent therefor, the same being executed by us on even dates herewith; and

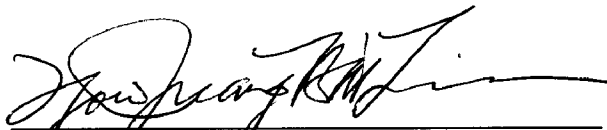
WHEREAS, Altera Corporation, a corporation organized and existing under the laws of Delaware and having an office and place of business at 101 Innovation Drive, San Jose, CA 95134, is desirous of acquiring the entire interest in said invention, said United States patent application, and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to us paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we do hereby sell, assign, and transfer unto the said Altera Corporation, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said application, including any continuations and divisions thereof, and any substitute applications therefor, and any patent which may issue thereon, and any reissues of the same; and all right, title, and


interest in and to every patent application filed on said invention in any other country, including renewals, revivals, continuations, and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same; and we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said Altera Corporation as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and otherwise to give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names on the dates indicated hereinafter:

10/20/03
Date


(1) Yow-Juang W. Liu

10/17/03
Date


(2) Hugh O
Hugh Sungki O

10/17/03
Date


(3) Richard G. Cliff