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

1. Name of conveying party(ies):

Babette van Antwerpen
Michael D. Hutton
Gregg Baeckler
Richard Yuan

9.29.03

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) of conveying party(ies) attached? Yes No.

3. Nature of conveyance:

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

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

Execution Date: August 25, 2003 and September 2, 2003

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): 10/446,650

B. Patent No(s):

Additional numbers attached? Yes No

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

Name: Melvin D. Chan
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200

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: 20-1430

(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.

Melvin D. Chan
Name of Person Signing
Atty. Reg. No. 39,626

Signature

September 24, 2003
Date

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

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **BABETTE VAN ANTWERPEN** of 1116 Doyle Place, Mountain View, CA 94040; **MICHAEL D. HUTTON** of 209 Post Street, Mountain View, CA 94040; **GREGG BAECKLER** of 1815 Naglee Avenue, San Jose, CA 95126; and **RICHARD YUAN** of 20199 Suisun Drive, Cupertino, CA 95014, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: REGISTER RETIMING TECHNIQUE

Date(s) of execution of Declaration:

Filing Date: May 27, 2003

Application No.: 10/446,650; and

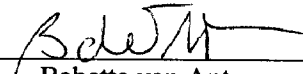
WHEREAS, **ALTERA CORPORATION**, a corporation of the state of Delaware, located at 101 Innovation Drive, San Jose, CA, 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 8/25/03


Babette van Antwerpen


Dated: 8/25/03


Michael D. Hutton

Dated: 8/25/03


Gregg Baeckler

Dated: 9/2/03


Richard Yuan

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