

01-14-2002

Attorney Docket No. 015114-054810US



101943500

Form PTO-1595

(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)

Sheet

U.S. Department of Commerce  
U.S. Patent and Trademark Office

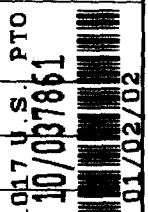
Tab settings ⇌ ⇌ ⇌

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

1. Name of conveying party(ies):  
Yan Chong  
Additional name(s) of conveying parties attached?  Yes  No

01/02/02

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



3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other: \_\_\_\_\_  
Execution Date: 12/18/01 and 12/19/01

Additional names and addresses 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: January 2, 2002  
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: J. Matthew Zigmant  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> 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)

01/14/2002 RAHMED1 00000318 201430 10037861  
01 FC+581 40.00 CH

DO NOT USE THIS SPACE

9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.*  
J. Matthew Zigmant [Signature] January 2, 2002  
Name of Person Signing Signature Date  
Atty. Reg. No. 44,005

Total number of pages including cover sheet, attachments and document 4

Mail documents to be recorded with required cover to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 012457 FRAME: 0215

1. Additional name(s) of conveying party(ies):  
(Continued from Page 1)

Chiakang Sung  
Bonnie I. Wang  
Joseph Huang  
Xiaobao Wang  
Philip Pan  
Tzung-Chin Chang

2. Additional name(s) and address(es) of receiving party(ies):  
(Continued from Page 1)

3. Additional application number(s) or patent number(s):  
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, **Yan Chong** of 870 E. El Camino Real, Apt. 120, Mountain View, CA 94040; **Chiakang Sung** of 2005 Skyline Drive, Milpitas, CA 95035; **Bonnie I. Wang** of 10371 Prune Tree Lane, Cupertino, CA 95014; **Joseph Huang** of 1231 Briarleaf Circle, San Jose, CA 95131; **Xiaobao Wang** of 388 Montclair Drive, Santa Clara, CA 95051; **Philip Pan** of 43053 Gallegos Avenue, Fremont, CA 94539; **Tzung-Chin Chang** of 760 Saratoga Avenue, Apt. 7208, San Jose, CA 95129 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:           **SELF-COMPENSATING DELAY CHAIN FOR  
MULTIPLE-DATE-RATE INTERFACES**

Date(s) of execution of Declaration: December 18, 19, 2001

Filing Date:

Application No.:           Unassigned; 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;

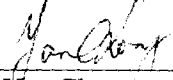
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial 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.

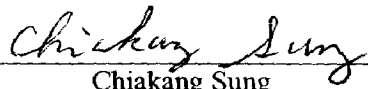
Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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

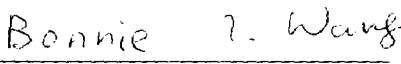
Dated: 12/19/01

  
Van Chong

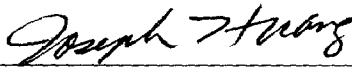
Dated: 12-18-01

  
Chiakang Sung

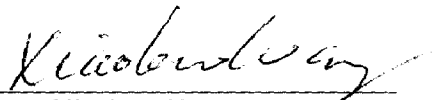
Dated: 12/18/01

  
Bonnie I. Wang

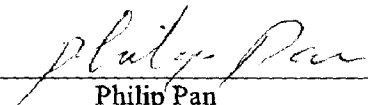
Dated: 12/18/01

  
Joseph Huang

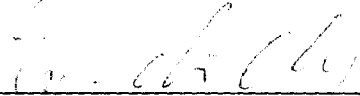
Dated: 12/18/01

  
Xiaobao Wang

Dated: 12/19/01

  
Philip Pan

Dated: 12/19/01

  
Tzung-Chin Chang