

08-19-2003

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To the Honorable Commissioner of Patents and T

original documents or copy thereof.

102528688

1. Name of conveying party(ies):
- 1. Ramanand Venkata 8-8-03
 - 2. Chong H. Lee
 - 3. Rakesh Patel

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

Execution Date: 1. August 4, 2003 2,3. August 1, 2003

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

4. Application number(s) or patent number(s): 10637982

If this document is being filed together with a new application, the execution date of the application is: 1. August 4, 2003 2,3. August 1, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Attorney Docket No. ALT-272

Additional numbers attached? Yes No

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

Name: Fish & Neave

Internal Address: Jeffrey H. Ingerman

08/19/2003 ECDOPER 00000036 10637982

01 FC:0021 40.00 OP

Street Address: 1251 Avenue of the Americas

City: New York State: NY ZIP: 10020-1105

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:

06-1075 (charge deficiencies/credit overpayments only) (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.

Jeffrey H. Ingerman Name of Person Signing

[Signature] Signature

8/19/03 Date

Reg. No. 31,069

Total number of pages including cover sheet, attachments, and document: 3

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

Express Mail Label No. EV132183166US

A S S I G N M E N T

Whereas we, Ramanand Venkata, Chong H. Lee and Rakesh Patel, residing, respectively, at 1211 Garbo Way #302, San Jose, California 95117; 116 Palmer Street, San Ramon, California 94583; and 20087 Los Ondas Court, Cupertino, California 95014, have made an invention in:

MULTI-CHANNEL SYNCHRONIZATION FOR
PROGRAMMABLE LOGIC DEVICE SERIAL INTERFACE

and are about to make application for United States Letters Patent therefor, the same having been executed by us on even date or 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, California 95134-1941 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 each of us paid, and other good and valuable consideration, the receipt and sufficiency of which is 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 United States patent application, including any continuations and divisions thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; and all right, title and interest in and to every patent application filed or to be 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 to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names and affixed our seals on the date(s) indicated hereinafter.

8/4/03

Date

V.S. Ramanand

Ramanand Venkata

Aug. 1 2003

Date

Chong G. Lee

Chong G. Lee

8-1-2003

Date

Rakesh Y. Patel

Rakesh Patel