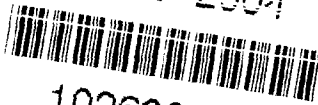


REC

03-19-2004

COVER SHEET

174/299



102698950

To the Honorable Commission of Patents and Trademarks

attached original documents or copy thereof.

22390 U.S. PTO
10/796496

1. Name of conveying party(ies):

- 1) Ben Esposito; and
- 2) Mike Rothman

3.8.04

2. Name and address of receiving party(ies)

Name: Altera Corporation

Internal Address: _____

Street Address: 101 Innovation Drive

City: San Jose State: ID ZIP: 95134

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

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date(s): 1) 02/20/04; and 2) 01/27/04

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

10796496

If this document is being filed together with a new application, the execution dates of the application are: 1) 02/20/04; and 2) 01/27/04

A. Patent Application No.(s)

Filed Herewith

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Andrew Van Court

Internal Address: FISH & NEAVE

50th Floor

Street Address: 1251 Avenue of the Americas

City: New York State: NY ZIP: 10020-1104

6. Total number of applications and patents involved:

1

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

Enclosed

Deficiency authorized to be charged to deposit account

8. Deposit account number:

06-1075

(Attach duplicate copy of this page if paying by deposit account)

03/18/2004 6TON11 00000110 10796496

01 FC:0021

40.00 DP

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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.

Andrew Van Court

Name of Person Signing

Signature

March 8, 2004

Date

Reg. No. 48,506

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

5

ASSIGNMENT

WHEREAS, we,

- (1) Ben Eposito, and
- (2) Mike Rothman

residing, respectively, at

- (1) 4561 Old Carriage Trail, Oviedo, FL 32765,
and
- (2) 91 Dunster Road, Jamaica Plain, MA 02130,

have made an invention entitled:

CIRCUITRY FOR SYNTHESIZING AN ARBITRARY CLOCK SIGNAL AND
METHODS FOR THE SYNTHESIS THEREOF;

and are about to make application for United States Letters Patent therefor, the same being executed by us on even date(s) 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

Express Mail No.
EV 132188194 US
PATENT

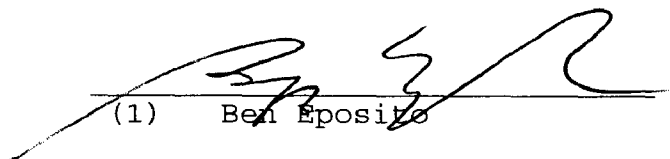
REEL: 015123 FRAME: 0165

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:

2/20/04
Date

Date



(1) Ben Eposito

(2) Mike Rothman

ASSIGNMENT

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- (1) Ben Eposito, and
- (2) Mike Rothman

residing, respectively, at

- (1) 4561 Old Carriage Trail, Oviedo, FL 32765,
and

- (2) 91 Dunster Road, Jamaica Plain, MA 02130,

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PATENT
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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.

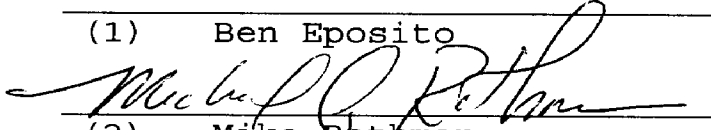
IN TESTIMONY WHEREOF, we have hereunto signed our names on the dates indicated hereinafter:

Date

01-27-04

Date

(1) Ben Eposito



(2) Mike Rothman