

4-6-04



DOCKET NO.:  
174/316

102720913

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

1. Name of conveying party(ies):

John Oh, Samson Tam, Curt Wortman, and  
Jean Luc Berube

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

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other \_\_\_\_\_

Execution Date: 3/15/04, 3/15/04, 3/24/04, and 3/24/04

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

10819556

If this document is being filed together with a new application, the execution date of the application is: 3/15/04, 3/15/04, 3/24/04, and 3/24/04

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: Robert R. Jackson

Internal Address: c/o Fish & Neave

50th Floor

Street Address: 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

☒ Authorized to be charged to deposit account

8. Deposit account number:

06-1075

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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.*

Robert R. Jackson  
Name of Person Signing

Robert R. Jackson  
Signature

April 6, 2004

Date

Reg. No. 26,183

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

5

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

04/13/2004 MGETACHE 00000030 10819556

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Express Mail No.  
EV371745969US

**PATENT**  
**REEL: 015196 FRAME: 0813**

**ASSIGNMENT**

WHEREAS, we,

- (1) John Oh,
- (2) Samson Tam,
- (3) Curt Wortman, and
- (4) Jean Luc Berube,

residing, respectively, at

- (1) 25 Rio Robles East, #101, San Jose, CA 95134,
- (2) 1890 18<sup>th</sup> Avenue, San Francisco, CA 94122,
- (3) 93 Russell Ave Apt. 2, Ottawa, Ontario, Canada K1N 7X2, and
- (4) 245 Range Rd., Ottawa, Ontario, Canada K1N 8J7,

have made an invention entitled:

SIGNAL EDGE DETECTION CIRCUITRY AND METHODS;

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 countries of the world, and in and to said application, including any continuations and divisions thereof, and any substitute applications

Express Mail No.

**PATENT**

FX371745969US


**REEL: 015196 FRAME: 0814**

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:

3.15.2004

Date

  
(1) John Oh

3-15-2004

Date

  
(2) Samson Tam

Date

(3) Curt Wortman

Date

(4) Jean Luc Berube

**ASSIGNMENT**

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- (3) Curt Wortman, and
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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:

_____ Date	_____ (1) John Oh
_____ Date	_____ (2) Samson Tam
<u>March 24, 2004</u> _____ Date	<u>Curt Wortman</u> _____ (3) Curt Wortman
<u>04/03/24</u> _____ Date	<u>Jean Luc Berube</u> _____ (4) Jean Luc Berube