

07-16-2007



103426638

To the Director of the U.S. Patent and

uments or the new address(es) below.

1. Name of conveying party(ies)

- 1) Thungoc M. Tran 6) Allen Chan  
2) Sergey Shumarayev  
3) Tim Tri Hoang  
4) Weiqi Ding  
5) Wilson Wong

Name: Altera Corporation

Internal Address: \_\_\_\_\_

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

3. Nature of conveyance/Execution Date(s):

06/14/07; 06/18/07; 06/16/07; 06/16/07;

Execution Date(s) 07/02/07; 06/18/07

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

Street Address: 101 Innovation Drive

City: San Jose

State: CA

Country: USA Zip: 95134

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

4. Application or patent number(s):

☒ This document is being filed together with a new application

Execution date(s): 06/14/07; 06/18/07; 06/16/07; 06/16/07; 07/02/07; 06/18/07

A. Patent Application No.(s)

07/16/2007 DBYRNE 00000032 061075 11824862

B. Patent No.(s)

11/824 862

Additional numbers attached? ☐ Yes ☒ No

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

Name: Fish & Neave IP Group, Ropes & Gray LLP  
Internal  
Address: \_\_\_\_\_

Street Address: 1211 Avenue of the Americas

City: New York

State: NY Zip: 10036

Phone Number: 212.596.9000

Fax Number: 212.596.9090

Email Address: robert.jackson@ropesgray.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

06-1075, Order No.

b. Deposit Account Number 000174-0514-101

Authorized User Name Fish & Neave IP Group

9. Signature: Robert R. Jackson  
Signature

July 3, 2007

Date

Robert R. Jackson (Reg. No. 26,183)

Total number of pages including cover

3

Name Of Person Signing

Sheet, attachments, and documents:

A S S I G N M E N T

Whereas we, Thungoc M. Tran, Sergey Shumarayev, Tim Tri Hoang, Weiqi Ding, Wilson Wong, and Allen Chan respectively residing at 2960 Creek Point Drive, San Jose, California 95133, 12501 Corbetta Lane, Los Altos Hills, California 94022, 5407 Carls Ct., San Jose, California 95123, 715 Hopi Drive, Fremont, California 95439, 21 Talbert Court, San Francisco, California 94134, and 287 Briggs Ct., San Jose, California 95139 have made an invention in:

HIGH-SPEED SERIAL DATA SIGNAL INTERFACE CIRCUITRY WITH MULTI-DATA-RATE SWITCHING CAPABILITY

and are about to make application for United States Letters Patent therefor, the same having been 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, California 95134-1941 is desirous of acquiring the entire interest in said invention, said United States patent application and 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, each of us does 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 each of us hereby authorizes and requests 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 each of us further agrees 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, each of us has hereunto signed his name and affixed his seal on the date indicated hereinafter.

6/24/07  
Date  
6/18/07  
Date  
6/16/07  
Date  
6/16/07  
Date  
7/2/07  
Date  
6/18/07  
Date

Tina Tran  
Thungoc M. Tran  
[Signature]  
Sergey Shumarayev  
[Signature]  
Tim Tri Hoang  
[Signature]  
Weiqi Ding  
[Signature]  
Wilson Wong  
[Signature]  
Allen Chan

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

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**2. Name and address of receiving party(ies)**Name: Altera Corporation

Internal Address: \_\_\_\_\_

Street Address: 101 Innovation DriveCity: San JoseState: CACountry: USA Zip: 95134Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):** ☒ This document is being filed together with a new application

Execution date(s): 06/14/07; 06/18/07; 06/16/07; 06/16/07; 07/02/07; 06/18/07

A. Patent Application No.(s)

B. Patent No.(s)

**DUPLICATE**Additional numbers attached? ☐ Yes ☒ NO**5. Name and address to whom correspondence concerning document should be mailed:**Name: Fish & Neave IP Group, Ropes & Gray LLP

Internal

Address: \_\_\_\_\_

Street Address: 1211 Avenue of the AmericasCity: New YorkState: NY Zip: 10036Phone Number: 212.596.9000Fax Number: 212.596.9090Email Address: robert.jackson@ropesgray.com**6. Total number of applications and patents involved:** 1**7. Total fee.** (37 CFR 1.21(h) & 3.41) \$ 40.00

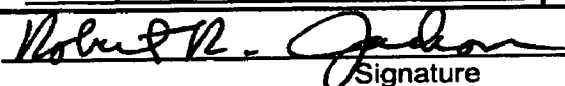
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☐ None required (government interest not affecting title)

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b. Deposit Account Number 000174-0514-101Authorized User Name Fish & Neave IP Group**9. Signature:**

Signature

July 3, 2007

Date

Robert R. Jackson (Reg. No. 26,183)

Name Of Person Signing

Total number of pages including cover

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