

03-02-2004

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(Rev. 6-93)  
OMB No 0651-0011 (exp. 4/94)

REC



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DOCKET NO.: 174/293

102682257

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

1. Name of conveying party(ies):

(1) Leon Zheng, (2) Martin Langhammer, (3) Steven Perry, (4) Paul Metzgen, (5) Nitin Prasad, and (6) William Hwang

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) & addresse(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: (1) 1/15/04; (2) 2/2/04; (3) 1/20/04; (4) 1/20/04;  
(5) 1/21/04 and (6) 1/15/04

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

If this document is being filed together with a new application, the execution dates of the application are:

Jan. 15, 2004, Feb. 2, 2004, Jan. 20, 2004; Jan. 20, 2004; Jan. 21, 2004 and Jan. 15, 2004

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: Alexander Shvarts

Internal Address: c/o Fish & Neave

50<sup>th</sup> 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  
☒ Deficiencies Authorized to be charged to deposit account

8. Deposit Account number:

06-1075

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

DO NOT USE THIS SPACE

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.

Alexander Shvarts  
Name of Person Signing

Alexander Shvarts  
Signature

2/20/04  
Date

Reg. No. 47,943

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

10

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

174/293

A S S I G N M E N T

Whereas we,

- (1) Leon Zheng,
- (2) Martin Langhammer,
- (3) Steven Perry,
- (4) Paul Metzgen,
- (5) Nitin Prasad, and
- (6) William Hwang

residing, respectively, at

- (1) 1605 Parkmoore Ave., #105,  
San Jose, California 95128,
- (2) 2 Birch Grove,  
Alderbury, Wiltshire, United Kingdom SP5 3AB,
- (3) Holmwood, Heathfield Road  
High Wycombe, Bucks  
UK HP12 4DG
- (4) 22 Whitehall Park Road,  
Chiswick, London  
UK W4 3NE
- (5) 838 Hamilton Avenue,  
Milpitas, California 95035, and
- (6) 2840 Park Place Common,  
Fremont, California 94536,

have made an invention in:

SATURATION AND ROUNDING IN MULTIPLY-ACCUMULATE BLOCKS

and are about to make application for United States Letters Patent therefor, the same being 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 on the date(s) indicated hereinafter.

Jan 15, 2004

Date

Leon Zheng

(1) Leon Zheng

Date

(2) Martin Langhammer

Date

(3) Steven Perry

Date

(4) Paul Metzgen

Date

(5) Nitin Prasad

1-15-2004

Date

William (Chiao) Hwang

(6) William Hwang

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(1) Leon Zheng

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Date

\_\_\_\_\_  
(2) Martin Langhammer

\_\_\_\_\_  
Date

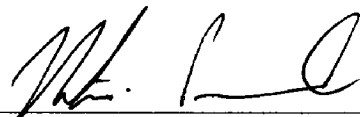
\_\_\_\_\_  
(3) Steven Perry

\_\_\_\_\_  
Date

\_\_\_\_\_  
(4) Paul Metzgen

JAN 21<sup>st</sup>, 2004

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
(5) Nitin Prasad

\_\_\_\_\_  
Date

\_\_\_\_\_  
(6) William Hwang

174/293

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\_\_\_\_\_  
Date

2 Feb 2004

\_\_\_\_\_  
Date

20 Jan 2004

\_\_\_\_\_  
Date

20/JAN/2004

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
(1) Leon Zheng

Martin Langhammer

\_\_\_\_\_  
(2) Martin Langhammer

Steven Perry

\_\_\_\_\_  
(3) Steven Perry

Paul Metzger

\_\_\_\_\_  
(4) Paul Metzger

\_\_\_\_\_  
(5) Nitin Prasad

\_\_\_\_\_  
(6) William Hwang