

09-26-2005

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103088322

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

9-19-05

1. Name of conveying party(ies)
1. Sergey Y. Shumarayev
2. Rakesh H. Patel
3. Chong H. Lee

2. Name and address of receiving party(ies)
Name: Altera Corporation
Internal Address: _____

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

3. Nature of conveyance/Execution Date(s):
1. September 2, 2005
2. September 8, 2005
Execution Date(s) 3. September 2, 2005

Street Address: 101 Innovation Drive

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

City: San Jose

State: California

Country: USA Zip: 95134-1941

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

4. Application or patent number(s):
A. Patent Application No.(s)
Attorney Docket No. ALT-415

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes NO

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

Name: Customer No. 36981

Internal Address: _____

Street Address: _____

City: _____

State: _____ Zip: _____

Phone Number: 212-596-9000

Fax Number: 646-728-2580

Email Address: jeffrey.ingerman@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

b. Deposit Account Number (Order No. 000174-0415)

Authorized User Name Fish & Neave

9. Signature: _____
Signature

Date

Jeffrey H. Ingerman
Name of Person Signing

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

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A S S I G N M E N T

Whereas we, Sergey Y. Shumarayev, Rakesh H. Patel and Chong H. Lee, residing, respectively, at 2328 Rocky Point Court, San Leandro, California 94579; 20087 Los Ondas Court, Cupertino, California 95014; and 116 Palmer Street, San Ramon, California 94583, have made an invention in:

PROGRAMMABLE LOGIC DEVICE ARCHITECTURE
FOR ACCOMMODATING SPECIALIZED CIRCUITRY

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.


9/02/05
Date


Sergey Y. Shumarayev

9-8-05
Date


Rakesh H. Patel

9/02/05
Date


Chong H. Lee