

04-10-2000

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) EI187446423U

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office 00174/178



Tab settings

To the Honorable Commissioner of Patents

101310844

Attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) Tony Ngai
- 2) Sergey Shumarayev
- 3) Wei-Jen Huang

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

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

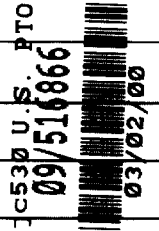
Name: Altera Corporation

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: (1) 2/24/00; (2) 2/25/00; (3) 2/17/00

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

If this document is being filed together with a new application, the execution date of the application is: 1) 2/17/00

A. Patent Application No.(s)

B. Patent No.(s)

- 2) 2/17/00
- 3) 2/17/00

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: N.Y. ZIP: 10020

6. Total number of applications and patents involved:

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

06-1075

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

04/07/2000 DCURTIS 0000023E 09516866

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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 (26,183)

Name of Person Signing

Robert R. Jackson

Signature

March 2, 2000

Date

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

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

(Form PTO--1595--Recordation Form Cover Sheet - page 1 of 3)

PATENT REEL: 010661 FRAME: 0996

3-2-00

A S S I G N M E N T

WHEREAS, we:

- (1) Tony Ngai _____;
- (2) Sergey Shumarayev _____; and
- (3) Wei-Jen Huang _____;

residing, respectively, at:

- (1) 2830 Gazelle Drive, Campbell, CA 95008 _____;
- (2) 15678 Anchorage Drive, San Leandro, CA 94579 _____;
- (3) 3109 Atwater Drive, Burlingame, CA 94010 _____;

have made an invention in:

DRIVER CIRCUITRY FOR PROGRAMMABLE LOGIC DEVICES

and are about to make application for United States Letters Patent therefor, the same having been executed by us on even 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, CA 95134 is desirous of acquiring the entire interest in said invention, in


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 therefor, and any patents which may issue thereon, and any reissues of the same; 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.

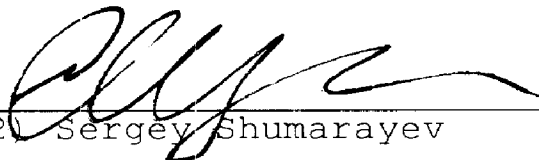
IN TESTIMONY WHEREOF, we have hereunto signed our name at San Jose, California on the date indicated hereinafter:

2/24/00
Date




(1) Tony Ngai

2/25/00
Date



(2) Sergey Shumarayev

2/17/2000
Date



(3) Wei-Jen Huang