



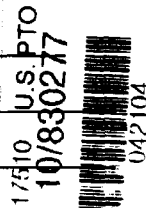
DOCKET NO.:  
174/310

102732611

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

1. Name of conveying party(ies):  
**Richard Yen-Hsiang Chang**  
Additional name(s) of conveying party(ies) attached?  Yes  No  
**4-21-04**

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



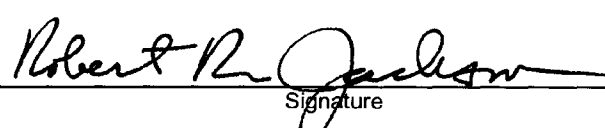
3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: April 14, 2004

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: April 14, 2004  
A. Patent Application No.(s) | B. Patent No.(s) **10830277**  
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  
(Attach duplicate copy of this page if paying by deposit account)

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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**  April 21, 2004  
Name of Person Signing | Signature | Date  
Reg. No. 26,183 | Total number of pages including cover sheet, attachments, and document: **3**

Mail documents to be recorded with required cover sheet information to:  
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04/28/2004 6TOM11 00000069 061075 - 10830277  
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Express Mail No.  
EV371745955US  
**PATENT**  
REEL: 015260 FRAME: 0429

**ASSIGNMENT**

WHEREAS, I,

(1) Richard Yen-Hsiang Chang,

residing at

(1) 62 Morley Lane, Bloomfield, New Jersey 07003

have made an invention entitled:

BIT SLIP CIRCUITRY FOR SERIAL DATA SIGNALS;

and am about to make application for United States Letters Patent therefor, the same being executed by me 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 me paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I 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 I 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

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**PATENT**

**REEL: 015260 FRAME: 0430**

interest therein; and I 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, I have hereunto signed my name on the date indicated hereinafter:

4/14/04

Date



(1) Richard Yen-Hsiang Chang