

03-02-2001



COVER SHEET

ALT-179

To the Honorable Commission of

101624711

attached original documents or copy thereof.

1. Name of conveying party(ies):

Ziad M. Abu-Lebdeh
Jeffrey R. Fox

2.21.01

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(s): January 17 & 28, 2001

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

If this document is being filed together with a new application, the execution date(s) of the application: _____

A. Patent Application No.(s) 09/668,406

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: Garry J. Tuma

Internal Address: FISH & NEAVE

50th Floor

Street Address: 1251 Avenue of the Americas

City: New York State: NY ZIP: 10020-1104

6. Total number of applications and patents involved:

1

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

- Enclosed
- Deficiency 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. 40.00 OF

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.

Garry J. Tuma
Name of Person Signing

Signature

February 13, 2001
Date

Reg. No. 40,210

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

5

A S S I G N M E N T

WHEREAS, we, Ziad M. Abu-Lebdeh and Jeffrey R. Fox, respectively residing at 377 La Honda Drive, Milpitas, California 95035; and 15486 Benedict Lane, Los Gatos, California 95032, have made an invention entitled:

PCI BUS SWITCH ARCHITECTURE

and have made application for United States Letters Patent therefor, the same having been filed in the United States Patent and Trademark Office on September 22, 2000 as United States Patent Application No. 09/668,406; and

WHEREAS, ALTERA CORPORATION, a corporation organized and existing under the laws of the State 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;

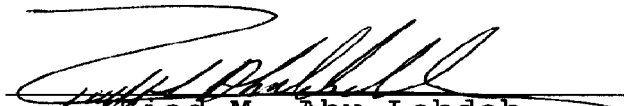
NOW, THEREFORE, be it known that for good and valuable consideration, the receipt of sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said ALTERA CORPORATION, its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any

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continuations and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, 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 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 dates indicated hereinafter.

1-28-2001
Date


Ziad M. Abu-Lebdeh

Date

Jeffrey R. Fox

continuations and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, 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 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 dates indicated hereinafter.

Date

Ziad M. Abu-Lebdeh

1/17/01

Date



Jeffrey R. Fox