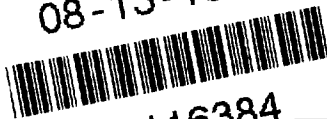


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08-13-1999



ET

Patent and Trademark Office
Docket No. 306812000100

101116384

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

1. Name of conveying party(ies):

David Jefferson

- Individual(s)
- General Partnership
- Corporation-State
- Association
- Limited Partnership
- Other

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: California ZIP: 95134

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

8-09-99

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other:
- Merger
- Change of Name

Execution Date: July 28, 1999

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:

- A. Patent Application No.(s)
- B. Patent No.(s)

09/318,376

Additional numbers attached? Yes No

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

Ararat Kapouytian
Morrison & Foerster LLP
425 Market Street
San Francisco, California 94105-2482

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account, referencing Attorney Docket 306812000100

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952

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.

Name: Ararat Kapouytian
Registration No: 40.044

Ararat Kapouytian
Signature

8/6/99
Date

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

08/12/1999 NTHA11 00000172 09318376

01 FC:581 40.00 DP

Mail documents to be recorded with required cover sheet information to:

U.S. Patent and Trademark Office
Office of Public Records
Box Assignments
Crystal Gateway 4, Room 335
Washington, D.C. 20231

sf-733028

**ASSIGNMENT
SOLE**

THIS ASSIGNMENT, by David Jefferson (hereinafter referred to as the assignor), residing at 16711 Willow Creek Drive, Morgan Hill, California 95037, witnesseth:

WHEREAS, said assignor has invented certain new and useful improvements in TEMPERATURE COMPENSATED DELAY CHAIN, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; bearing Serial No. 09/318,376 and filed on May 26, 1999; and

WHEREAS, ALTERA CORPORATION, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 101 Innovation Drive, San Jose, California 95134-2020 is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee ALTERA CORPORATION, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee ALTERA CORPORATION, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignor, had this sale and assignment not been made.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee ALTERA CORPORATION its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is the sole and lawful owner of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee ALTERA CORPORATION, its successors, legal representatives and assigns, that said assignor will, whenever counsel of said assignee, or the counsel of its successor, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee ALTERA CORPORATION, its successors, legal representatives and assigns, but at the cost and expense of said assignee ALTERA CORPORATION, its successors, legal representatives and assigns.

AND said assignor hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said assignee ALTERA CORPORATION as the assignee ALTERA CORPORATION of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee ALTERA CORPORATION, its successors, legal representatives and assigns.

7/28/99
Date

David Jefferson
David Jefferson