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To the Honorable Commission of Patent

ed original documents or copy thereof.

1. Name of conveying party(ies):

Simar Maangat

2-16-04

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) of conveying party(ies) attached? Yes No

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

3. Nature of conveyance:

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

Execution Date: January 6, 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: _____

A. Patent Application No.(s)

10/652,863

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Garry J. Tuma

Internal Address: FISH & NEAVE

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.

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

January 13, 2004

Date

Reg. No. 40,210

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

3

A S S I G N M E N T

WHEREAS, I, Simar Maangat, residing at 1212 Cortez Drive, #3, Sunnyvale, California 94087, have made an invention in:

PROGRAMMABLE DIFFERENTIAL CAPACITORS
FOR EQUALIZATION CIRCUITS

and have made application for United States Letters Patent therefor, the same being executed by me on even date herewith and having been filed in the United States Patent and Trademark Office on August 28, 2003 as Application No. 10/652,863; 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, 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 good and valuable consideration, the receipt and sufficiency of which is 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 United States patent application, including any 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 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 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 to otherwise 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.

01/06/04
Date

Simar Maangat
Simar Maangat