

Attorney Docket No. 15114H-086900US

Form PTO-1595 (Rev. 08/05)
OMB No. 0651-027 (exp. 6/30/2008)

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Marin LANGHAMMER
Neil Kenneth THORNE

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

Country: US

Zip: 95134

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 2/14/08, 2/11/08

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/52,717

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: J. Matthew Zigmant

Internal Address: _____

TOWNSEND AND TOWNSEND AND CREW LLP

Street Address: Two Embarcadero Center,

Eighth Floor

City: San Francisco

State: California Zip: 94111-3834

Phone Number: (415) 576-0200

Fax Number: (415) 576-0300

Email Address: deb@townsend.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

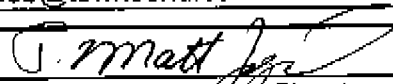
8. Payment Information

a. Credit Card Last 4 numbers _____
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b. Deposit Account Number 20-1430

Authorized User Name Townsend and
Townsend and Crew LLP

9. Signature:



Signature

J. Matthew Zigmant

Name of Person Signing

Atty. Reg. No. 44,005

2-22-08

Date

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

2

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
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PATENT

CH \$40.00 201430 11952717

Attorney Docket No.: 151141-086900US
 Client Reference No.: P108921US00/AJC

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Martin LANGHAMMER of 2 Birch Grove, Southway, Alderbury, Wiltshire, SP5 3AE, United Kingdom; and Neil Kenneth THORNE of 61 Horsham Avenue, North Finchley, London, N12 9BO, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: REORDERING DISCRETE FOURIER TRANSFORM
 OUTPUTS

Date(s) of execution of Declaration:

Filing Date: December 7, 2007

Application No.: 11/952,717; and

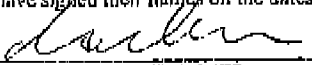
WHEREAS, Altera Corporation, a corporation of the state of Delaware, located at 101 Innovation Drive, San Jose, CA 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.


Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereof in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 14 Feb 08


 Martin LANGHAMMER

Date: 11 Feb 2008


 Neil Kenneth THORNE

Atty Docket No. 15114H-086900US

PTO FAX NO.: 1-571-273-0140

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**OFFICIAL COMMUNICATION
FOR THE ASSIGNMENT BRANCH**


CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that the following documents in re Application of LANGHAMMER, Martin et al., Application No. 11/952,717, filed December 7, 2007 for REORDERING DISCRETE FOURIER TRANSFORM OUTPUTS are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Documents Attached

1. Assignment w/Recordation Form Cover Sheet (in duplicate)

Number of pages being transmitted, including this page: 4

Dated: 2/25/08 

*PLEASE CONFIRM RECEIPT OF THIS PAPER BY
RETURN FACSIMILE AT (415) 576-0300*

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