

10-20-1998

ASSIGNM



ER SHEET

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JCS51 U.S. PTO
09/169213
10/09/98

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

- 1. Name of conveying party(ies)
 - a) Andrew Leaver
 - b) Francis B. Heile
- 2. Name and address of receiving party(ies):
 - a) Name: Altera Corporation
 - Address: 101 Innovation Drive
San Jose, CA 95134

10-09-98

- 3. Nature of conveyance

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other _____	<input type="checkbox"/> License Agreement

Execution Date: October 1, 1998, October 7, 1998

- 4. Application Number(s) or Patent Number(s): Unassigned

The title of the (new) application is:

09/169213

MAPPING HETEROGENEOUS LOGIC ELEMENTS IN A PROGRAMMABLE LOGIC DEVICE

- 5. Please send all correspondence concerning this (these) documents to:

C. Douglass Thomas
 BEYER & WEAVER, LLP
 P.O. Box 61059
 Palo Alto, CA 94306
 Tel. No.: (650) 493-2100
 Fax No.: (650) 493-2102

10/16/1998 MPEDPLES 00000033 09169213

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- 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 No. 50-0388
(Order No. _____)

8. 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.

Date: October 9, 1998

C. Douglass Thomas
 Registration No. 32,947

Attorney Docket No. ALTRP034/A421

(Revised 01/96)

PATENT
REEL: 9512 FRAME: 0499

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set for in the patent application entitled:

MAPPING HETEROGENEOUS LOGIC ELEMENTS IN A PROGRAMMABLE LOGIC DEVICE

(Atty. Docket No.: ALTRP034/A421) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to ALTERA CORPORATION, a Delaware corporation having a place of business at 101 Innovation Drive, San Jose, CA 95134, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature: A. C. Leaver Date: 10/7/98
Typed Name: Andrew Leaver
- 2) Signature: Francis B. Heile Date: 10/1/98
Typed Name: Francis B. Heile