

09-23-1998



AS 100870322 COVER SHEET  
-PATENTS ONLY-

10549 U.S. PTO  
09/15/98  
09/15/98

To: Honorable Commissioner of Patents and Trademarks:

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

1. Name of conveying party(ies)
  - a) **DANIEL S. STELLENBERG**
  - b) **DAVID KARCHMER**
2. Name and address of receiving party(ies):
  - a) Name: **Altera Corporation**  
Address: **101 Innovation Drive**  
**San Jose, CA 95134**

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: **September 1, 1998**

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

The title of the (new) application is:

**"METHODS AND APPARATUS FOR AUTOMATICALLY GENERATING  
INTERCONNECT PATTERNS IN PROGRAMMABLE LOGIC DEVICES"**

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

**Joseph M. Villeneuve**  
BEYER & WEAVER, LLP  
P.O. Box 61059  
Palo Alto, CA 94306  
Tel. No.: (510) 843-6200  
Fax No.: (510) 843-6201

6. Total number of applications and patents involved: **1**

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

- |                                     |  |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Enclosed   |
| <input type="checkbox"/>            | Authorized to be charged to Deposit Account No. 50-0388<br>(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: September 15, 1998

**Joseph M. Villeneuve**  
Registration No. **37,460**

09/21/1998 MWILLARI 00000039 09153754

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40.00 DP

Attorney Docket No. ALTRP044/A396

(Revised 01/96)

**PATENT**  
**REEL: 9462 FRAME: 0648**

# ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas we the undersigned inventors have invented certain new and useful improvements as set for in the patent application entitled:

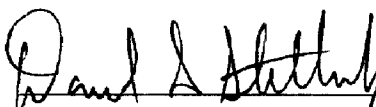

## **"METHODS AND APPARATUS FOR AUTOMATICALLY GENERATING INTERCONNECT PATTERNS IN PROGRAMMABLE LOGIC DEVICES"**

(Atty. Docket No.: ALTRP044/A396) for which 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, we the undersigned inventors 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 we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the dates indicated beside our signatures.

- 1) Signature:   
Typed Name: DANIEL S. STELLENBERG Date: 9/1/98
- 2) Signature:   
Typed Name: DAVID KARCHMER Date: 9/1/98