

04-04-2003

ASSIGNMENT REC  
-PAT



102410159

4-3-03

To: Honorable Commissioner of Patents and Trademarks:

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

1. Name of conveying party(ies)

- a) Nicholas James Rally
- b) Alan Louis Herrmann

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: February 27, 2003 and March 19, 2003

4. Application Number(s) or Patent Number(s): 10/295,265

The title of the (new) application is: PLD DEBUGGING IIUB

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

**Beyer Weaver & Thomas, LLP**  
**P.O. Box 778**  
**Berkeley, CA 94704-0778**  
**Ph: (612) 252-3330**  
**Fax: (612) 825-6304**  
**(Customer Number: 022434)**

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed is our check #1098 in the amount of \$40.00  
☐ Any additional fees are authorized to be charged to Deposit Account No. 500388  
(Order No. ALTRP080)

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: March 27, 2003

Jonathan O. Scott  
Registration No. 39,364

04/03/2003 ECOOPER 00000178 10295265

01 FC-8021

40.00 00

Attorney Docket No.

(Revised 12/01)

**PATENT**  
**REEL: 013909 FRAME: 0546**

# ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled: **PLD DEBUGGING HUB**

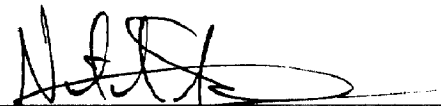
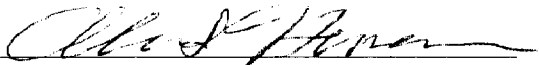
(Atty. Docket No. ALTRP080), (check one)

- ☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying)  
☒ which bears U.S. application No. 10/295,265 . (Not accompanying)  
☐ which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to Altera Corporation, a Delaware corporation having a place of business at 101 Innovation Drive, San Jose, CA 95134 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue 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 representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

- |    |  |                        |
|----|--|------------------------|
| 1) | Signature:  | Date: <u>2/27/2003</u> |
|    | Typed Name: Nicholas James Rally   |                        |
| 2) | Signature:  | Date: <u>3/19/2003</u> |
|    | Typed Name: Alan Louis Herrmann  |                        |
| 3) | Signature: _____   | Date: _____            |
|    | Typed Name: _____  |                        |