

To the Honorable Commission of Pat

102933336

ched original documents or copy thereof.

## 1. Name of conveying party(ies):

- 1) Christopher Lane; and  
2) Vikram Santurkar

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 1) 12/29/04; and 2) 12/29/04

## 2. Name and address of receiving party(ies)

Name: Altera Corporation

Internal Address: \_\_\_\_\_

Street Address: 101 Innovation DriveCity: San Jose State: CA ZIP: 95134Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 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: 12/29/04

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Jeffrey C. AldridgeInternal Address: c/o Fish & Neave IP Group  
Ropes & Gray LLP50th FloorStreet Address: 1251 Avenue of the AmericasCity: New York State: NY ZIP: 10020

## 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

## 8. Deposit account number:

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(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.*Jeffrey C. Aldridge

Name of Person Signing

Signature

January 19, 2005

Date

Reg. No. 51,390

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

3

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PATENT

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174/335

A S S I G N M E N T

Whereas we, Christopher Lane and Vikram Santurkar, residing, respectively, at 3133 Stevens Court, San Jose, California 95148; and 1343 Maria Way, San Jose, California 95117, have made an invention in:

METHODS OF REDUCING POWER IN PROGRAMMABLE LOGIC DEVICES  
USING LOW VOLTAGE SWING FOR ROUTING SIGNALS

and are about to make application for United States Letters Patent therefor, the same having been executed by us on even date or dates herewith; and

WHEREAS, ALTERA CORPORATION, a corporation organized and existing under the laws 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 and in consideration of the sum of One Dollar (\$1.00) to each of us paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we 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 any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; 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 we 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 we 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, we have hereunto signed our names and affixed our seals on the date(s) indicated hereinafter.

12/29/04  
Date

Christopher J. Lane  
Christopher Lane

12/29/04  
Date

Vikram L. Santurkar  
Vikram Santurkar