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To the Honorable Commission of Patents a.

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original documents or copy thereof

1. Name of conveying party(ies):

Khai Nguyen; Xiaobao Wang; In Whan Kim;
Chiakang Sung; Richard G. Cliff; Joseph Huang;
Bonnie I. Wang; Wayne YeungAdditional 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 DriveCity: San Jose State: CA ZIP: 95134Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 6/22/99; 6/11/99; 6/18/99; 6/11/99; 6/11/99;6/11/99; 6/11/99; 6/11/99

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:

Khai Nguyen (6/22/99); Xiaobao Wang (6/11/99); In Whan Kim (6/18/99); Chiakang Sung (6/11/99);
Richard G. Cliff (6/11/99); Joseph Huang (6/11/99); Bonnie I. Wang (6/11/99); Wayne Yeung (6/11/99)

A. Patent Application No.(s)

B. Patent No.(s)

69346222

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robert R. JacksonInternal Address: c/o Fish & Neave50th 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:

06-1075

(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.

Robert R. Jackson
 Name of Person Signing

Signature

June 25, 1999
 Date

Reg. No. 26,183

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

5

PATENT
REEL: 010066 FRAME: 0046

A S S I G N M E N T

WHEREAS, we:

- (1) Khai Nguyen ;
- (2) Xiaobao Wang ;
- (3) In Whan Kim ;
- (4) Chiakang Sung ;
- (5) Richard G. Cliff ;
- (6) Joseph Huang ;
- (7) Bonnie I. Wang ; and
- (8) Wayne Yeung ;

residing, respectively, at:

- (1) 499 Suisse Drive, San Jose, CA 95123 ;
- (2) 388 Montclair Drive, Santa Clara, CA 95051 ;
- (3) 4281 Norwalk Drive #W210, San Jose, CA 95124 ;
- (4) 2005 Skyline Drive, Milpitas, CA 95035 ;
- (5) 194 Smithwood Street, Milpitas, CA 95035 ;
- (6) 1231 Briarleaf Circle, San Jose, CA 95131 ;
- (7) 10371 Prune Tree Lane, Cupertino, CA 95014 ;
- (8) 1920 Ocean Avenue #3B, San Francisco, CA 94127 ;

have made an invention in:

PROGRAMMABLE LOGIC INTEGRATED CIRCUIT DEVICES WITH LOW VOLTAGE
DIFFERENTIAL SIGNALING CAPABILITIES

and have made application for United States Letters Patent therefor, the same having been executed by us on even 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, CA 95134 is desirous of acquiring the entire interest in said invention, in 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 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 application, including any continuations and divisions thereof, and any substitute applications therefor, and any patent which may issue thereon, and any reissues of the same; 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 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 name at San Jose, California on the date indicated hereinafter:

6/22/99

Date

Khai Nguyen

(1) Khai Nguyen

6/11/99

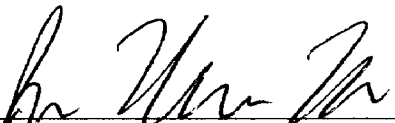
Date

Xiaobao Wang

(2) Xiaobao Wang

6/18/99

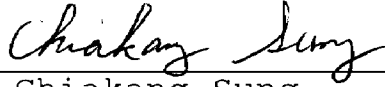
Date



(3) In Whan Kim

6/11/99

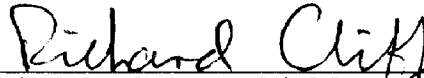
Date



(4) Chiakang Sung

6/11/99

Date



(5) Richard G. Cliff

6/11/99

Date



(6) Joseph Huang

6/11/99

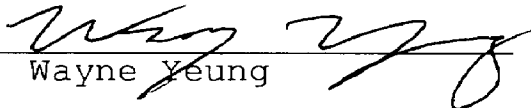
Date

Bonnie I. Wang

(7) Bonnie I. Wang

6/11/99

Date



(8) Wayne Yeung