

02-28-2005

FORM PTO-1595

(Rev. 6-93)

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RECO



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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket: 174/364

Express Mail No. EV625769113US

To the Honorable Commission of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1. Hugh Sungki O
2. Chih-Ching Shih
3. Cheng-Hsiung Huang
4. Yow-Juang Bill Liu

Additional 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: CaliforniaCountry: U.S. ZIP: 95134Additional name(s) & addresse(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: 1. February 9, 2005; 2. February 8, 2005;
3. February 8, 2005; 4. February 9, 2005

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution dates of the application are:

1. February 9, 2005; 2. February 8, 2005; 3. February 8, 2005; 4. February 9, 2005

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: Robert R. Jackson, Esq.Internal Address: Fish & Neave IP GroupRopes & Gray LLPStreet Address: 1251 Avenue of the AmericasCity: New York State: NY ZIP: 100206. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41) \$40.00☐ Enclosed☒ Authorized to be charged to deposit account☒ Deficiencies Authorized to be charged to deposit account

8. Deposit Account number:

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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

January 16, 2005

Date

Reg. No. 26,183

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

4Mail documents to be recorded with required cover sheet information to:
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A S S I G N M E N T

Whereas we,

- (1) Hugh Sungki O,
- (2) Chih-Ching Shih,
- (3) Cheng-Hsiung Huang, and
- (4) Yow-Juang Bill Liu,

residing, respectively, at

- (1) 117 King Avenue,
Fremont, California 94536,
- (2) 5831 Sterling Greens Circle,
Pleasanton, California 94566,
- (3) 7915 Belknap Drive,
Cupertino, California 95014, and
- (4) 1213 Tivoli Way,
San Jose, California 95120,

have made an invention in:

METHODS AND APPARATUS FOR
DECREASING SOFT ERRORS AND CELL LEAKAGE
IN INTEGRATED CIRCUIT STRUCTURES

and are about to make application for United States Letters Patent therefor, the same being 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.

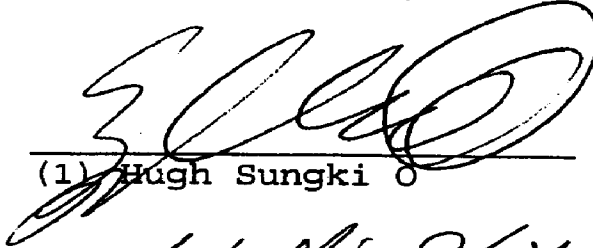
IN TESTIMONY WHEREOF, we have hereunto signed our names on the date(s) indicated hereinafter.

2/9/2005
Date

Feb 8, 2005
Date

2/8/05
Date

2/9/05
Date


(1) Hugh Sungki O


(2) Chih-Ching Shih


(3) Cheng-Hsiung Huang


(4) Yow-Juang Bill Liu