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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office A2332

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

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1. Name of conveying party(ies): (1) Irfan Rahim, (2) Jeffrey T. Watt, and (3) Yowjuang (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:

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: (1) 3/23/06, (2) 3/23/06, and (3) 3/29/06

Street Address: 101 Innovation Drive City: San Jose State: CA Zip: 94301 Additional 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: A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No

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 (underpayments or credit overpayments)

5. Name and address of party to whom correspondence concerning document should be mailed: Name: G. Victor Treyz, Esq. Internal Address: Street Address: 870 Market Street, Suite 984 City: San Francisco State: CA Zip: 94102

8. Deposit account number: 502942 (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. G. Victor Treyz, Reg. No. 36, 294 Name of Person Signing Signature Date 3/29/06

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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PATENT REEL: 017702 FRAME: 0082

A S S I G N M E N T

WHEREAS, We, Irfan Rahim, Jeffrey T. Watt, and Yowjuang (Bill) Liu, residing respectively at 1057 Wilsham Drive, San Jose, California 95132, 3896 Duncan Place, Palo Alto, California 94306, and 1213 Tivoli Way, San Jose, California 95120, have made an invention entitled:

INTEGRATED CIRCUITS WITH ADJUSTABLE  
MEMORY ELEMENT POWER SUPPLIES

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

WHEREAS, ALTERA CORPORATION, a corporation organized and existing under the laws of the State of Delaware and having an address of 101 Innovation Drive, San Jose, California 95134, 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) paid, and other good and valuable consideration, the receipt of 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, continuations-in-part and divisions thereof,

and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, 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;

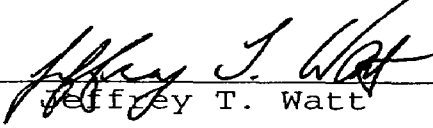
and we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said ALTERA CORPORATION as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary 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 dates indicated hereinafter.

3/23/06  
Date

  
Irfan Rahim

3/23/06  
Date

  
Jeffrey T. Watt

3/29/06  
Date

  
Yowjuang (Bill) Liu