U.S. PTO 11/998603

11/30/2007

12-12-2007 Form PTO-1595 RECOR **5. DEPARTMENT OF COMMERCE** (Rev. 10/02) U.S. Patent and Trademark Office OMB No. 0651-0027 (exp. 6/30/2005) A02855 103467894 To the Honorable Commissioner of Patents and mausimains. Flease record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Name: Altera Corporation Ali Burney Internal Address: _ Additional name(s) of conveying party(les) attached? 🖵 Yas 🔀 No 3. Nature of conveyance: Assignment Merger Street Address: 101 Innovation Drive Security Agreement Change of Name Other City: San Jose State: CA Zip: 95134 11/28/2007 Execution Date:_ 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: 11/28/2007 A. Patent Application No.(s) B. Patent No.(s) 11/998603 Additional numbers attached? 🖵 Yes 🔯 No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$ 40.00 Name: G. Victor Treyz, Esq. Enclosed Internal Address: Authorized to be charged to deposit account 12/04/2007 HLE333 00000010 11998603 (underpayments or credit overpayments) 04 FC:8021 40.00 DP 8. Deposit account number: Street Address: 870 Market Street, Suite 984 502942 (Attach duplicate copy of this page if paying by deposit account) _Zip: 94102 City: San Franciscostate: CA DO NOT USE THIS SPACE 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 Total number of pages including cover sheet, attachments, and documents:

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

REEL: 020239 FRAME: 0725

ASSIGNMENT

WHEREAS, I, Ali Burney, residing at 4140
Irvington Avenue #74, Fremont, California 94538, have made an invention entitled:

SERIALIZER-DESERIALIZER CIRCUITS FORMED FROM INPUT-OUTPUT CIRCUIT REGISTERS

and am about to make an application for United States

Letters Patent therefor, the same having been executed by

me 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 and sufficiency of which is hereby acknowledged, I 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

PATENT REEL: 020239 FRAME: 0726 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 I 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 I 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, I have hereunto signed my name on the date indicated hereinafter.

11/28/07 Date

Ali Bulney