

46-14-05

Express Mail No. ER 843 144 335 US

04-27-2005



Attorney Docket Number 060889-5023

102989962

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Please record the attached original documents or copy thereof.

112975 U.S. PTO
11/107639



11/107639

1. Name(s) of conveying party(ies): Shuxian Chen Yow-Juang (Bill) Liu Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: Altera Corporation Address: 101 Innovation Drive San Jose, CA 95134 Country (if other than USA):
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment Merger Security Agreement Change of Name Other Execution Date: March 30, 2005 and April 7, 2005	

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: March 30, 2005 and April 7, 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: Customer No. 048591 Morgan, Lewis & Bockius LLP 1111 Pennsylvania Avenue, NW Washington, DC 20004	6. Number of applications and patents involved: 1 7. Total fee (37 CFR 3.41):.....\$ 40.00 <input checked="" type="checkbox"/> Please charge to the deposit account listed in Section 8. 8. Deposit account number: 50-0310 (Attach duplicate copy of this page if paying by deposit account)
---	--

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.

Francis E. Morris 24,615 *Francis E. Morris* April 14, 2005

Name of Person Signing 04/26/2005 DBYRNE	Reg. No. 00000223 500310	Signature 11107639	Date 40.00 DA
--	------------------------------------	------------------------------	-------------------------

Total number of pages including cover sheet, attachments, documents, and duplicate cover sheet for Deposit Account: **3**

Mail documents to be recorded with required cover sheet information to address above

JOINT

ASSIGNMENT

WHEREAS, WE, SHUXIAN CHEN, citizen of the United States, residing in Fremont, California; and YOW-JUANG (BILL) LIU, citizen of the United States, residing in San Jose, California, are the inventors of the invention in A NOVEL APPROACH TO REDUCE PARASITIC CAPACITANCE FROM DUMMY FILL, for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or
- which is identified by Morgan, Lewis & Bockius LLP docket no. 60889-5023-US
- which was filed on , Application No.
- We hereby authorize and request our attorney, Francis E. Morris, of Morgan, Lewis & Bockius, LLP, to insert here in parentheses (Application number, _____ filed _____) the filing date and application number of said application when known.

and WHEREAS, Altera Corporation, ASSIGNEE, having a place of business at 101 Innovation Drive, San Jose, CA 95134, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 3/30, 2005 Shuxian Chen L.S.
Shuxian Chen

Date 4/7/05, 2005 Yow-Juang (Bill) Liu L.S.
Yow-Juang (Bill) Liu