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PATENT ASSIGNMENT

Electronic Version v1.1
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10/28/2005
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SUBMISSION TYPE:		NEW ASSIGNMENT
NATURE OF CONVEYANCE:		assignor name should be "Cheng-Hsiung Huang" not "Cheng-Hsiung"
CONVEYING PARTY DATA		
Name		Execution Date
Hugh Sung Ki O		12/15/2004
Chih-Ching Shih		12/15/2004
Yowjuang Bill Liu		12/17/2004
Cheng-Hsiung Huang		12/14/2004
RECEIVING PARTY DATA		
Name:	Altera Corporation	
Street Address:	101 Innovation Drive	
City:	San Jose	
State/Country:	CALIFORNIA	
Postal Code:	95134	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	11015402	
CORRESPONDENCE DATA		
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Correspondent Name:	Nancy Swanson	
Address Line 1:	101 Park Avenue	
Address Line 2:	60889-5013	
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ATTORNEY DOCKET NUMBER:	60889-5013	
NAME OF SUBMITTER:	Nancy Swanson	

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Total Attachments: 5

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Express Mail No. EU 618 749 921 US

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Attorney Docket Number 060889-5013

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Mail Stop Assignment Reconstruction Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Please record the attached original documents or copy thereof.

22141 U.S. PTO
11/015402

12/17/04

12/17/04

1. Name of conveying party(ies): Hugh Sung Ki O Chih-Ching Shih Yowjuang Bill Liu Cheng-Hsiung 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 <input type="checkbox"/> Security Agreement Change of Name <input type="checkbox"/> Other Execution Date: <u>December 14, 15 and 17, 2004</u>	

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) 11/015402 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)
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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.

Francis E. Morris	24,615	<i>Francis E. Morris</i>	December 17, 2004
Name of Person Signing	Reg. No.	Signature	Date

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

01/03/2005 8T0W11 00000220 500310 11015402

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ASSIGNMENT

WHEREAS, WE, Hugh Sung-Ki O, a citizen of the United States of America, residing at 117 King Avenue, Fremont, California 94536, Chih-Ching Shih, a citizen of the United States of America, residing at 5831 Sterling Greens Circle, Pleasanton, California 94566, Yowjuang Bill Liu, a citizen of the United States of America, residing at 1213 Tivoli Way, San Jose, California 95120, and Cheng-Hsiung Huang, a citizen of the United States of America, residing at 7915 Delmar, Cupertino, California 95014, ASSIGNORS, are the inventors of the invention in FLOATING BASE BIPOLAR ESD DEVICES 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. 060889-5013-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 is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

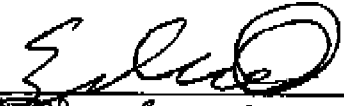



NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer 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	<u>Dec 15</u>	_____ 2004		_____ L.S.
Date	<u>Dec. 15</u>	_____ 2004		_____ L.S.
Date	<u>12/17/04</u>	_____ 2004		_____ L.S.
Date	<u>12/14</u>	_____ 2004		_____ L.S.

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