

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Vikram Santurkar</td><td>12/12/2006</td></tr><tr><td>Hyun Yi</td><td>12/14/2006</td></tr></tbody></table>	Name	Execution Date	Vikram Santurkar	12/12/2006	Hyun Yi	12/14/2006	
Name	Execution Date						
Vikram Santurkar	12/12/2006						
Hyun Yi	12/14/2006						
RECEIVING PARTY DATA							
Name:	Altera Corporation						
Street Address:	101 Innovation Drive						
City:	San Jose						
State/Country:	CALIFORNIA						
Postal Code:	95134						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12236201</td></tr></tbody></table>	Property Type	Number	Application Number:	12236201			
Property Type	Number						
Application Number:	12236201						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Steven Cahill						
Total Attachments: 2 source=AssignA2448C1#page1.tif source=AssignA2448C1#page2.tif							

OP \$40.00 12236201

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PATENT
REEL: 021573 FRAME: 0867

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Vikram Santurkar, of 44433 Arapaho Avenue, Fremont, California 94539; and Hyun Yi, of 741 East El Camino Real #222, Sunnyvale, CA 94087; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified non-provisional application for United States Letters Patent:

Title of Invention: Techniques For Providing Calibrated On-Chip Termination
Impedance

Dates of execution of Declaration: 12/12/2006; 12/14/2006

Filing Date: 09/23/2008

Application No.: 12/236,201; and

WHEREAS, **Altera Corporation** of 101 Innovation Drive, San Jose, CA 95134, a corporation of Delaware, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), in and to any and all continuation applications, divisional applications, and reissues thereof, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, and of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request The Law Office of Steven J. Cahill, 340 Laurel St., Menlo Park, CA 94025, to insert herein above the application number, the dates of execution of Declaration, and filing date of said application when known.

Assignment

Attorney Docket No.: 101-01300US

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: Dec 12th 2006

Vikram Santurkar
Vikram Santurkar

Dated: 12/14/06

Hyun Yi
Hyun Yi