PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jeffrey Tyhach	10/25/2006
Chiakang Sung	10/30/2006
Khai Nguyen	10/25/2006
Sanjay K. Charagulla	10/26/2006
Ali Burney	10/30/2006

RECEIVING PARTY DATA

Name:	Altera Corporation	
Street Address:	101 Innovation Drive	
City:	San Jose	
State/Country:	CALIFORNIA	
Postal Code:	95134	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11558363

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	015114-080510US
NAME OF SUBMITTER:	Jonathan M. Hollander

PATENT REEL: 018503 FRAME: 0948

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PATENT REEL: 018503 FRAME: 0949

Attorney Docket No.: 015114-080510US Client Reference No.: A02418 CIP

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Jeffrey Tyhach of 208 Morning Star Drive, San Jose, CA 95131; Chiakang Sung of 2005 Skyline Drive, Milpitas, CA 95035; Khai Nguyen of 499 Suisee Drive, San Jose, CA 95123; Sanjay K. Charagulla of 3283 Brittany Court, San Jose, CA 95135; and Ali Burney of 4140 Irvington Avenue, Apt. 74, Fremont, CA 94538, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

MODULAR I/O BANK ARCHITECTURE

Date(s) of execution of Declaration:

Filing Date:

Application No.:

; and

WHEREAS, Altera Corporation, a corporation of the state of Delaware, located at 101 Innovation Drive, San Jose, CA 95134, 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), 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, or 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 Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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

Dated: 10/25/2006

10/30/06

Chiakang Sung

REEL: 018503 FRAME: 0950

Assignment

Attorney Docket No.: 015114-080510US

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