

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Tim Tri Hoang	09/03/2010
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:	12881160
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ATTORNEY DOCKET NUMBER:	101-07000US
NAME OF SUBMITTER:	Steven J. Cahill
Total Attachments: 2 source=AssignmentA03505#page1.tif source=AssignmentA03505#page2.tif	

OP \$40.00 12881160

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PATENT
REEL: 024995 FRAME: 0154

ASSIGNMENT OF PATENT APPLICATION

SOLO

WHEREAS, **Tim Tri Hoang**, of 5407 Carls Ct., San Jose, California 95123, USA; hereinafter referred to as "Assignor," is the inventor of any and all new and useful improvements disclosed and set forth in the below-identified application for United States Patent (hereinafter referred to as "Said Patent Application"):

Title of Patent Application: Techniques for Varying a Periodic Signal Based on Changes
in a Data Rate

Filing Date: September 13, 2010

Application No.: 12/881,160

WHEREAS, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Assignor, Assignor hereby sells, assigns, and transfers to **Altera Corporation**, a corporation of Delaware, having a principal place of business at 101 Innovation Drive, San Jose, CA 95134, (hereinafter referred to as "Assignee"), the entire right, title and interest in and to Said Patent Application, to any and all improvements (hereinafter referred to as "said improvements") that are disclosed in Said Patent Application, and to all foreign counterparts to Said Patent Application (including patent, utility model and industrial designs). The Assignor further sells, transfers, and assigns to Assignee the entire right, title, and interest in and to any and all international applications, continuation applications, divisional applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to any and all continuation applications, divisional applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries that claim priority to Said Patent Application; and in and to all original patents, reissued patents, registrations, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of Said Patent Application; and to the right to file foreign applications directly in the name of Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

The Assignor further agrees that the Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the Assignor will execute all divisional applications, continuation applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all of said improvements; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the Assignor relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee.

The Assignor covenants with the Assignee, its successors, and assigns that no assignment, grant, mortgage, license, lien, or other agreement affecting the rights and property herein conveyed has been made to others by the Assignor, and that full right to convey the same as herein expressed is possessed by the Assignor.

Assignment
Attorney Docket No.: 101-07000US

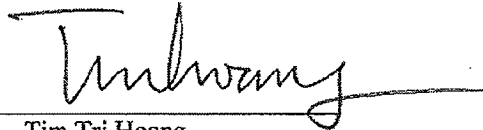
The Assignor hereby authorizes and requests the Officials of the United States Patent and Trademark Office and any and all foreign Patent Offices to issue any and all Patents, when granted, to said Assignee as the assignee of the entire right, title, and interest in and to the same, for the sole use of said Assignee, its successors, and assigns, to the full end of the term for which said Patents may be granted.

Assignor hereby authorizes and requests The Law Office of Steven J. Cahill to insert herein above the application number and filing date of Said Patent Application when known.

IN TESTIMONY WHEREOF, Assignor has signed his name on the date indicated below.

Dated: _____

09/03/10



Tim Tri Hoang