

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>Xiong Liu</td> <td>06/14/2013</td> </tr> <tr> <td>Thungoc M. Tran</td> <td>07/22/2013</td> </tr> <tr> <td>Tim Tri Hoang</td> <td>07/08/2013</td> </tr> <tr> <td>Wilson Wong</td> <td>07/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	Xiong Liu	06/14/2013	Thungoc M. Tran	07/22/2013	Tim Tri Hoang	07/08/2013	Wilson Wong	07/08/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Altera Corporation</td> </tr> <tr> <td>Street Address:</td> <td>101 Innovation Drive</td> </tr> <tr> <td>City:</td> <td>San Jose</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95134</td> </tr> </table>		Name:	Altera Corporation	Street Address:	101 Innovation Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: 4088906268 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: sjc@eecspatents.com Correspondent Name: STEVEN J. CAHILL/ ALTERA CORP. Address Line 1: P.O. Box 779 Address Line 4: MENLO PARK, CALIFORNIA 94026-0779											
ATTORNEY DOCKET NUMBER:	101-09100US										
NAME OF SUBMITTER:	Steven J. Cahill										
Signature:	/Steven J. Cahill/										
Date:	09/13/2013										

PATENT

Total Attachments: 4

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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **Xiong Liu**, of Cupertino, CA, USA; **Thungoc M. Tran**, of San Jose, CA, USA; **Tim Tri Hoang**, of San Jose, CA, USA; and **Wilson Wong**, of San Francisco, CA, USA; hereinafter referred to as "Assignors," are the inventors of any and all new and useful improvements described 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 Adjusting Gears of an Oscillator

Filing Date: June 14, 2013

Application No.: 13/918,739

WHEREAS, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Assignors, Assignors hereby sell, assign, and transfer to **Altera Corporation**, a corporation of Delaware, having a principal place of business at 101 Innovation Drive, San Jose, California, USA 95134, (hereinafter referred to as "Assignee"), the entire right, title and interest in and to Said Patent Application, any and all improvements that are disclosed in Said Patent Application, and all foreign counterparts to Said Patent Application (including patent, utility model and industrial designs). The Assignors further sell, transfer, and assign to Assignee the entire right, title, and interest in and to any and all continuation applications, divisional applications, continued prosecution applications, international applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, 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 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 Assignors further agree 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 said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the Assignors will execute all divisional applications, continuation applications, continued prosecution 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 Assignors 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 Assignors covenant 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 Assignors, and that full right to convey the same as herein expressed is possessed by the Assignors.

The Assignors hereby authorize and request 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

Assignment

Attorney Docket No.: 101-09100US

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.

Assignors hereby authorize and request 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, Assignors have signed their names on the dates indicated.

Dated: 06/14/2013



Xiong Liu

Dated: _____

Thungoc M. Tran

Dated: _____

Tim Tri Hoang

Dated: _____

Wilson Wong

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Xiong Liu, of Cupertino, CA, USA; Thungoc M. Tran, of San Jose, CA, USA; Tim Tri Hoang, of San Jose, CA, USA; and Wilson Wong, of San Francisco, CA, USA; hereinafter referred to as "Assignors," are the inventors of any and all new and useful improvements described and set forth in the below-identified application for United States Patent (hereinafter referred to as "Said Patent Application");

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The Assignors further agree 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 said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the Assignors will execute all divisional applications, continuation applications, continued prosecution 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 Assignors 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 Assignors covenant 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 Assignors, and that full right to convey the same as herein expressed is possessed by the Assignors.

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

Dated: _____

Xiong Liu

Dated: 7/22/13

Thungoc M. Tran

Dated: 8/8/2013

Tim Tri Hoang

Dated: 7/8/2013

Wilson Wong