

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
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TIM TRI HOANG	06/18/2014
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14311192
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SIGNATURE:	/Steven J. Cahill/
DATE SIGNED:	06/20/2014
Total Attachments: 2	
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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, **Yanjin Ke**, of Union City, CA, USA; and **Tim Tri Hoang**, of San Jose, 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: Circuits and Methods For Adjusting the Voltage Swing of a Signal

Filing Date: June 20, 2014

Application No.: 14/311,192

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.: 101-10000US

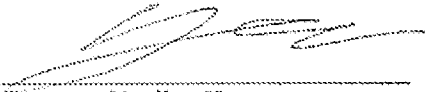
as the assignee of the entire right, title, and interest in and to the same, for the sole use of said Assignee, its successors, and assigns, to the full end of the term for which said Patents may be granted.

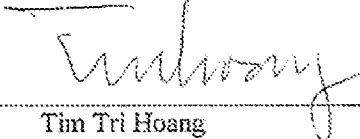
Assignors hereby authorize and request The Law Office of Steven J. Cahill to insert herein above the application number and filing date of Said Patent Application when known.

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

Dated: 06/10/14

Dated: 06/18/14



Yanjing Ke


Tim Tri Hoang