

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Curt Wortman</td> <td>02/29/2012</td> </tr> <tr> <td>Keith Duwel</td> <td>02/27/2012</td> </tr> <tr> <td>Michael Menghui Zheng</td> <td>02/29/2012</td> </tr> </tbody> </table>		Name	Execution Date	Curt Wortman	02/29/2012	Keith Duwel	02/27/2012	Michael Menghui Zheng	02/29/2012
Name	Execution Date								
Curt Wortman	02/29/2012								
Keith Duwel	02/27/2012								
Michael Menghui Zheng	02/29/2012								
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>13330635</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13330635				
Property Type	Number								
Application Number:	13330635								
CORRESPONDENCE DATA									
Fax Number:	(512)382-4405								
Phone:	512-382-4404								
Email:	USPTO@PETERSONIPLAW.COM								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	LAW OFFICES OF MAXIMILIAN R. PETERSON								
Address Line 1:	P.O. BOX 93005								
Address Line 4:	AUSTIN, TEXAS 78709-3005								
ATTORNEY DOCKET NUMBER:	ALTR103								
NAME OF SUBMITTER:	Maximilian R. Peterson								
Total Attachments: 1 source=ALTR103-assignment#page1.tif									

OP \$40.00 13330635

PATENT

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

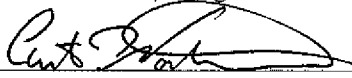
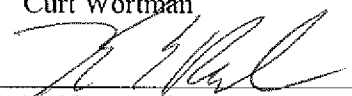

SELL, ASSIGN AND TRANSFER to Altera Corporation (the "Assignee"), being incorporated under the laws of the State of Delaware, having a place of business at 101 Innovation Drive, San Jose, California 95134, USA, the entire right, title and interest, including any and all damages, for the United States and all foreign countries in and to (1) any and all improvements which are disclosed in the application for United States Letters Patent, entitled 'APPARATUS FOR IMPROVING POWER CONSUMPTION OF COMMUNICATION CIRCUITRY AND ASSOCIATED METHODS,' Application No. 13/330,635, filed on 12/19/2011 (2) such application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; and (3) any and all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such applications in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature		Date:	2/29/2012
	Curt Wortman		2/27/2012
Signature		Date:	2/27/2012 2/29/2012
	Keith Duwel		
Signature		Date:	2/29/2012
	Michael Menghui Zheng		