

## PATENT ASSIGNMENT

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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>Krzysztof Maryan</td> <td>03/14/2013</td> </tr> <tr> <td>Gordon Raymond Chiu</td> <td>03/14/2013</td> </tr> <tr> <td>Warren Nordyke</td> <td>03/14/2013</td> </tr> <tr> <td>Navid Azizi</td> <td>03/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Krzysztof Maryan	03/14/2013	Gordon Raymond Chiu	03/14/2013	Warren Nordyke	03/14/2013	Navid Azizi	03/14/2013
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Krzysztof Maryan	03/14/2013										
Gordon Raymond Chiu	03/14/2013										
Warren Nordyke	03/14/2013										
Navid Azizi	03/14/2013										
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>13829881</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13829881						
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Application Number:	13829881										
CORRESPONDENCE DATA											
Fax Number:	5106630920										
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NAME OF SUBMITTER:	Heather Armstrong										
Total Attachments: 3 source=ALTRP293_Executed_Assignment#page1.tif source=ALTRP293_Executed_Assignment#page2.tif source=ALTRP293_Executed_Assignment#page3.tif											

CH \$40.00 13829881

## ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled: **CIRCUITS AND METHODS FOR DQS AUTOGATING** (Atty. Docket No. ALTRP293/A04001), and

(1) are about to make an application for United States Letters Patent therefor, the same having been executed by us on even date herewith

OR



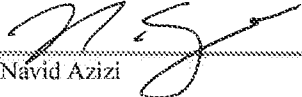
(2) have made an application for United States Letters Patent therefor, the same having been filed on ( 03/14/2013 ) under Application No. ( 13/829,881 ), in connection with which we hereby authorize and request the assignee's attorneys associated with Customer Number 51501 to insert within the foregoing parentheses the filing date and Application No. of said application when known;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I an undersigned inventor hereby:

- 1) Sell, assign and transfer to Altera Corporation, a Delaware corporation having a place of business at 101 Innovation Drive, San Jose, California 95134 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents (including foreign patents and the right to claim priority) granted upon, the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.

5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

- 1) Signature:   
Typed Name: Krzysztof Maryan Date: 2013-03-14
- 2) Signature:   
Typed Name: Gordon Raymond Chiu Date: 2013-03-14
- 3) Signature: \_\_\_\_\_  
Typed Name: Warren Nordyke Date: \_\_\_\_\_
- 4) Signature:   
Typed Name: Navid Azizi Date: 2013-03-14

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- 3) Signature: Warren Nordyke Date: 3-14-2013  
Typed Name: Warren Nordyke
  
- 4) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Navid Azizi