

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT						
NATURE OF CONVEYANCE:	Corrective Assignment to correct the list of named inventors should be Gordon Raymond Chiu AND Joshua David Fender. Only Gordon Raymond Chiu is listed. previously recorded on Reel 029263 Frame 0432. Assignor(s) hereby confirms the the correct list of inventors are Gordon Raymond Chiu AND Joshua David Fender..						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Gordon Raymond Chiu</td> <td>09/04/2012</td> </tr> <tr> <td>Joshua David Fender</td> <td>09/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Gordon Raymond Chiu	09/04/2012	Joshua David Fender	09/06/2012
Name	Execution Date						
Gordon Raymond Chiu	09/04/2012						
Joshua David Fender	09/06/2012						
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>13562124</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13562124		
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Application Number:	13562124						
CORRESPONDENCE DATA							
Fax Number:	5106630920						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	5106631100						
Email:	edurrell@wavsip.com						
Correspondent Name:	Susan C. Moon						
Address Line 1:	555 12th Street						
Address Line 2:	Suite 1700						
Address Line 4:	Oakland, CALIFORNIA 94607						
ATTORNEY DOCKET NUMBER:	ALTRP264						
NAME OF SUBMITTER:	Susan C. Moon						

CH \$40.00 13562124

Total Attachments: 5

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SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	ASSIGNMENT
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Gordon Raymond Chiu	09/04/2012

RECEIVING PARTY DATA

Name:	Altera Corporation
Street Address:	101 Innovation Drive
City:	San Jose
State/ Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13562124

CORRESPONDENCE DATA

Fax Number: 5106630920
Phone: 5106631100
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PATENT**REEL: 029275 FRAME: 0814**

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: Susan C. Moon
Address Line 1: 555 12th Street
Address Line 2: Suite 1700
Address Line 4: Oakland, CALIFORNIA 94607

ATTORNEY DOCKET NUMBER: ALTRP264

NAME OF SUBMITTER: Susan C. Moon

Signature: /Susan C. Moon/

Date: 11/08/2012

Total Attachments: 1
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RECEIPT INFORMATION

EPAS ID: PAT2160668
Receipt Date: 11/08/2012
Fee Amount: \$40

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Signature:	/Susan C. Moon/
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PATENT

REEL: 029275 FRAME 0816

EPAS ID:	PAT2160668
Receipt Date:	11/08/2012
Fee Amount:	\$40

PATENT

REEL: 029275 FRAME: 0817

ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled: AN AREA-EFFICIENT DYNAMICALLY-CONFIGURABLE MEMORY CONTROLLER (Atty. Docket No. ALTRP264/A03324), 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 (July 30, 2012) under Application No. (13/562,124), 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: [Handwritten Signature] Date: Sep 4, 2012
Typed Name: Gordon Raymond Chiu
2) Signature: [Handwritten Signature] Date: Sept 6, 2012
Typed Name: Joshua David Fender