

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2702263

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YU YING ONG	01/16/2014
WEIZHONG XU	01/15/2014
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:	14166337
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ATTORNEY DOCKET NUMBER:	A04310
NAME OF SUBMITTER:	VICTORIA AVALOS
Signature:	/Victoria Avalos/
Date:	01/28/2014
Total Attachments: 3 source=A04310_Assignment#page1.tif source=A04310_Assignment#page2.tif source=A04310_Assignment#page3.tif	

PATENT

A S S I G N M E N T

WHEREAS, We, Yu Ying Ong and Weizhong Xu,  
residing respectively in Ampang, Selangor and Cupertino,  
California, have made an invention entitled:

MEMORY INTERFACE WITH HYBRID ERROR DETECTION CIRCUITRY FOR  
MODULAR DESIGNS

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  
( ) under Application No. ( ), in  
connection with which we hereby authorize and request the  
assignee's attorneys associated with Customer Number 45851  
to insert within the foregoing parentheses the filing date  
and Application No. of said application when known; and

WHEREAS, ALTERA CORPORATION, a corporation  
organized and existing under the laws of the State of  
California and having an address of 101 Innovation Drive,  
San Jose, California 95134, is desirous of acquiring the  
entire interest in said invention, said United States  
patent application and in any Letters Patent which may  
issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said ALTERA CORPORATION, its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations, continuations-in-part and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, and any patent which may issue thereon, and any reissues of the same; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same;

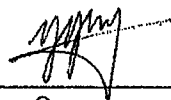
and we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said ALTERA CORPORATION as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

A04310

IN TESTIMONY WHEREOF, we have hereunto signed our names on the dates indicated hereinafter.

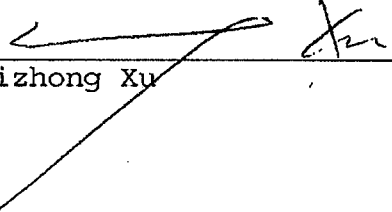
1/16/2014.

Date

  
Yu Ying Ong

1/15/2014

Date

  
Weizhong Xu