

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4028659

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the APPLICATION NUMBER FROM 14473987 TO 14473978 previously recorded on Reel 033643 Frame 0530. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
GORDON RAYMOND CHU	08/13/2014
SEAN SHAU-TU LU	08/19/2014
WARREN NORDYKE	08/14/2014
BONNIE I. WANG	08/28/2014
WEIZHONG XU	08/16/2014
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:	14473978
CORRESPONDENCE DATA	
Fax Number:	(415)837-0651
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	4158370650
Email:	vavalos@treylawgroup.com
Correspondent Name:	G. VICTOR TREYZ
Address Line 1:	870 MARKET STREET
Address Line 2:	SUITE 984
Address Line 4:	SAN FRANCISCO, CALIFORNIA 94102
ATTORNEY DOCKET NUMBER:	A04120
NAME OF SUBMITTER:	VICTORIA AVALOS
SIGNATURE:	/VictoriaAvalos/
DATE SIGNED:	08/29/2016

Total Attachments: 10

source=A04120_CorrectiveAssignment#page1.tif
source=A04120_CorrectiveAssignment#page2.tif
source=A04120_CorrectiveAssignment#page3.tif
source=A04120_CorrectiveAssignment#page4.tif
source=A04120_CorrectiveAssignment#page5.tif
source=A04120_CorrectiveAssignment#page6.tif
source=A04120_CorrectiveAssignment#page7.tif
source=A04120_CorrectiveAssignment#page8.tif
source=A04120_CorrectiveAssignment#page9.tif
source=A04120_CorrectiveAssignment#page10.tif

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>GORDON RAYMOND CHIU</td><td>08/13/2014</td></tr><tr><td>SEAN SHAU-TU LU</td><td>08/19/2014</td></tr><tr><td>WARREN NORDYKE</td><td>08/14/2014</td></tr><tr><td>BONNIE I. WANG</td><td>08/28/2014</td></tr><tr><td>WEIZHONG XU</td><td>08/16/2014</td></tr></tbody></table>	Name	Execution Date	GORDON RAYMOND CHIU	08/13/2014	SEAN SHAU-TU LU	08/19/2014	WARREN NORDYKE	08/14/2014	BONNIE I. WANG	08/28/2014	WEIZHONG XU	08/16/2014	
Name	Execution Date												
GORDON RAYMOND CHIU	08/13/2014												
SEAN SHAU-TU LU	08/19/2014												
WARREN NORDYKE	08/14/2014												
BONNIE I. WANG	08/28/2014												
WEIZHONG XU	08/16/2014												
RECEIVING PARTY DATA													
<table><tr><td>Name:</td><td>Atera Corporation</td></tr><tr><td>Street Address:</td><td>101 Innovation Drive</td></tr><tr><td>City:</td><td>San Jose</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95134</td></tr></table>	Name:	Atera Corporation	Street Address:	101 Innovation Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134			
Name:	Atera Corporation												
Street Address:	101 Innovation Drive												
City:	San Jose												
State/Country:	CALIFORNIA												
Postal Code:	95134												
PROPERTY NUMBERS Total: 1													
<table><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>14473987 <u>14473978</u></td></tr></tbody></table>	Property Type	Number	Application Number:	14473987 <u>14473978</u>									
Property Type	Number												
Application Number:	14473987 <u>14473978</u>												
CORRESPONDENCE DATA													
Fax Number: (415)837-0651													
Phone: 4158370650													
Email: vavalos@treylawgroup.com													
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.													
Correspondent Name: G. VICTOR TREYZ													
Address Line 1: 870 MARKET STREET													
Address Line 2: SUITE 984													
Address Line 4: SAN FRANCISCO, CALIFORNIA 94102													
ATTORNEY DOCKET NUMBER:	A04120												
NAME OF SUBMITTER:	VICTORIA AVALOS												
Signature:	/Victoria Avalos/												

PATENT**REEL: 039861 FRAME: 0923**

Date:	08/29/2014
Total Attachments: 6 source=A04120_Assignment#page1.tif source=A04120_Assignment#page2.tif source=A04120_Assignment#page3.tif source=A04120_Assignment#page4.tif source=A04120_Assignment#page5.tif source=A04120_Assignment#page6.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT3004216
Receipt Date:	08/29/2014

A S S I G N M E N T

WHEREAS, We, Gordon Raymond Chiu, Sean Shau-Tu Lu, Warren Nordyke, Bonnie I. Wang, and Weizhong Xu, residing respectively in North York, Ontario, San Jose, California, Cupertino, California, Cupertino, California, and Cupertino, California, have made an invention entitled:

INTEGRATED CIRCUITS HAVING INPUT-OUTPUT CIRCUITS WITH
DEDICATED MEMORY CONTROLLER CIRCUITRY

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.

A04120

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

^{At.}
Aug 19, 2014
Date


Gordon Raymond Chiu

Date

Sean Shau-Tu Lu

Date

Warren Nordyke

Date

Bonnie I. Wang

Date

Weizhong Xu

A04120

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

Date

8/19/2014

Date

8-14-2014

Date

Date

Date

Gordon Raymond Chiu

Sean Shau-Tu Lu

Sean Shau-Tu Lu

Warren Nordyke

Warren Nordyke

Bonnie I. Wang

Weizhong Xu

A04120

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

_____ Date	_____ Gordon Raymond Chiu
_____ Date	_____ Sean Shau-Tu Lu
_____ Date	_____ Warren Nordyke
_____ 8/28/2014 Date	_____ Bonnie I. Wang Bonnie I. Wang
_____ Date	_____ Weizhong Xu

A04120

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

Date

Gordon Raymond Chiu

Date

Sean Shau-Tu Lu

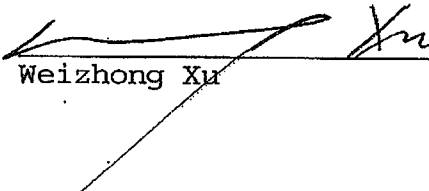
Date

Warren Nordyke

Date

Bonnie I. Wang

8/16/2014
Date



Weizhong Xu