

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JUN LIU	08/12/2011
ALBERT RATNAKUMAR	08/16/2011
IRFAN RAHIM	08/15/2011
QI XIANG	08/18/2011
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:	14333871
CORRESPONDENCE DATA	
Fax Number:	(212)529-5132
<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:	212 529 5131
Email:	vwilson@mkwllp.com
Correspondent Name:	MAURIEL KAPOUYTIAN WOODS LLP
Address Line 1:	27 W. 24TH STREET
Address Line 2:	SUITE #302
Address Line 4:	NEW YORK, NEW YORK 10010
ATTORNEY DOCKET NUMBER:	10001-2007110
NAME OF SUBMITTER:	ARARAT KAPOUYTIAN
SIGNATURE:	/Ararat Kapouytian/
DATE SIGNED:	07/17/2014
Total Attachments: 2	
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ASSIGNMENT JOINT

THIS ASSIGNMENT, by Jun Liu, Albert Ratnakumar, Irfan Rahim and Qi Xiang, respectively residing in Milpitas, CA, San Jose, CA, Milpitas, CA and San Jose, CA (hereinafter referred to as the "assignors") witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in PMOS PASS GATE, set forth in an application for Letters Patent of the United States, bearing Application Number 13/181,219, filed July 12, 2011; and


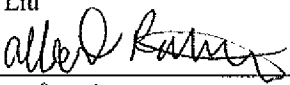
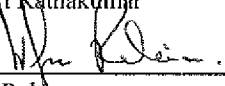
WHEREAS, Altera Corporation, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 101 Innovation Drive, San Jose, CA 95134 (hereinafter referred to as the "assignee") is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.


AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

<u>8/12/2011</u> Date	 _____ Jun Liu
<u>8/16/2011</u> Date	 _____ Albert Ratnakumar
<u>8/15/11</u> Date	 _____ Irfan Rahim

8/18/11
Date


Qi Xiang