

PATENT ASSIGNMENT COVER SHEET

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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>SANGEETA RAMAN</td> <td>12/04/2013</td> </tr> <tr> <td>TIM TRI HOANG</td> <td>12/04/2013</td> </tr> <tr> <td>WILSON WONG</td> <td>12/11/2013</td> </tr> <tr> <td>JIE SHEN</td> <td>12/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	SANGEETA RAMAN	12/04/2013	TIM TRI HOANG	12/04/2013	WILSON WONG	12/11/2013	JIE SHEN	12/05/2013
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SANGEETA RAMAN	12/04/2013										
TIM TRI HOANG	12/04/2013										
WILSON WONG	12/11/2013										
JIE SHEN	12/05/2013										
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>14106389</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14106389						
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CORRESPONDENCE DATA											
Fax Number:	(408)436-2114										
Email:	jina@OBLLP.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	OKAMOTO & BENEDICTO LLP										
Address Line 1:	P.O. BOX 641330										
Address Line 4:	SAN JOSE, CALIFORNIA 95164-1330										
ATTORNEY DOCKET NUMBER:	10006.008200 (A04294)										
NAME OF SUBMITTER:	JAMES K. OKAMOTO										
Signature:	/James K. Okamoto, Reg. No. 40,110/										
Date:	01/09/2014										

Total Attachments: 4

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred herein as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Altera Corporation**, a **Delaware** corporation, having a place of business at **101 Innovation Drive, San Jose, CA 95134**, ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) ("APPLICATION"), entitled "**FLOATING-TAP DECISION FEEDBACK EQUALIZER**" and with the following particulars:

Filing Date: December 13, 2013 Attorney Docket No.: 10006.008200 (A04294)

Application No.: 14/106,389

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;
(c) all divisional, provisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted or have been granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in and to the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all assignments, oaths, powers of attorney, applications, and other papers (and/or documents) necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR further authorizes and directs the attorneys of record to insert in this document the serial number and filing date of the APPLICATION, identified by the attorney docket number and title set forth above, as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

Title of Document: ASSIGNMENT

Re:
Title: FLOATING-TAP DECISION FEEDBACK EQUALIZER
Serial No.:
Filing Date:
Atty. Docket No.: 10006. 008200 (A04294)

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature

Sangeeta

Sangeeta RAMAN

Date of
Signature

12/04/2013

Name and Signature

Tim Tri Hoang

Tim Tri HOANG

Date of
Signature

12/04,2013

Name and Signature

Wilson Wong

Wilson WONG

Date of
Signature

12/11,2013

Name and Signature

Jie SHEN

Date of
Signature

2013

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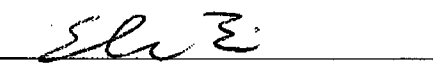
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_____, 2013
Sangeeta RAMAN

Name and Signature _____ Date of Signature
_____, 2013
Tim Tri HOANG

Name and Signature _____ Date of Signature
_____, 2013
Wilson WONG

Name and Signature _____ Date of Signature
 _____, 12/5 2013
Jie SHEN