

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3065088

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHI Y WONG	11/04/2011
ALBERT LEE	11/13/2011
KEEN YEW LOKE	11/03/2011
KIA LEONG TAN	11/15/2011
PAUL B. EKAS	11/08/2011
SIEW LEONG LAM	11/03/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALTERA CORPORATION
<b>Street Address:</b>	101 INNOVATION DRIVE
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13279145
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)341-3098
<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>	
<b>Phone:</b>	4083413011
<b>Email:</b>	sbernardo@wcsr.com
<b>Correspondent Name:</b>	MICHAEL L. GENCARELLA
<b>Address Line 1:</b>	WOMBLE CARLYLE SANDRIDGE & RICE LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	A66691 10430US.1
<b>NAME OF SUBMITTER:</b>	MICHAEL L. GENCARELLA
<b>SIGNATURE:</b>	/Michael L. Gencarella/
<b>DATE SIGNED:</b>	10/14/2014
<b>Total Attachments: 4</b>	

PATENT

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**PATENT**

**REEL: 033948 FRAME: 0335**

## ASSIGNMENT OF PATENT APPLICATION

Whereas we the undersigned inventors have invented certain new and useful improvements as set forth in the patent application entitled:


### TECHNIQUES FOR OVERSAMPLING A DATA STREAM IN AN INTEGRATED CIRCUIT

(Atty. Docket No. ALTEP250/A03565 for which we have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned inventors hereby:

- 1) Sell, assign and transfer to Altera Corporation, a Delaware corporation having a place of business at 101 Innovation Drive San Jose, CA 95134, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in 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(s), continuation(s), substitutes(s) or reissue(s) 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 and 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(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request the assignee's attorneys associated with Customer No. 45640 to insert here in parentheses (Application number 13/279,145 filed October 21, 2011) the filing date and application number of said application when known.

Signed on the dates indicated beside our signatures.

- |    |  |                        |
|----|--|------------------------|
| 1) | Signature:  | Date: <u>11/4/2011</u> |
|    | Typed Name: <u>Zhi Y. Wong</u>   |                        |
| 2) | Signature: _____   | Date: _____            |
|    | Typed Name: <u>Albert Lee</u>  |                        |

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### TECHNIQUES FOR OVERSAMPLING A DATA STREAM IN AN INTEGRATED CIRCUIT

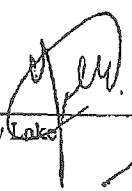


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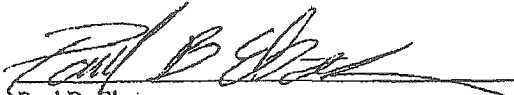
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Signed on the dates indicated beside our signatures.

- |    |                              |                         |
|----|------------------------------|-------------------------|
| 1) | Signature: _____             | Date: _____             |
|    | Typed Name: Zhi Y. Wong      |                         |
| 2) | Signature: <u>Albert Lee</u> | Date: <u>11/13/2011</u> |
|    | Typed Name: Albert Lee       |                         |

- 3) Signature:   
Typed Name: Keen Yew Lake Date: Nov 3, 2011
- 4) Signature:   
Typed Name: Kia Leong Tan Date: Nov 15, 2011
- 5) Signature: \_\_\_\_\_  
Typed Name: Paul B. Ekas Date: \_\_\_\_\_
- 6) Signature:   
Typed Name: Siew Leong Lam Date: Nov 3, 2011

Attorney Docket No. ALTEP250/A03565

- 3) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Keen Yew Loke
- 4) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Kia Leong Tan
- 5) Signature:  Date: Nov 8, 2011  
Typed Name: Paul B. Eka
- 6) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Typed Name: Siew Leong Lam

Attorney Docket No. ALTEP250/A03565