MB No. 0651-0027 (exp. 03/31/2009)	U.S. DEPARTMENT OF COMMER United States Patent and Trademark Off	
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To the Director of the U.S. Patent and Trademark Office: Pleas	se record the attached documents or the new address(es) below.	
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Tad Kwasniewski (12/20/2003), Haitao Mei		
(12/17/2003), Shoujun Wang (12/17/2003), Mashkoor Baig (12/17/2003), and	Name: Altera Corporation	
Additional name(s) of conveying party(ies) attached? X Yes No	Internal Address:	
3. Nature of conveyance/Execution Date(s):	Street Address:	
	101 Innovation Drive M/S 1405	
Execution Date(s): in parentheses after inventor name		
X Assignment Merger Change of Name		
Security Agreement Joint Research Agreement	City: San Jose	
Government Interest Assignment	State: California	
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 95134	
Other	Additional name(s) & address(es)	
	attached?	
4. Application or patent number(s):	This document is being filed together with a new application.	
A. Patent Application No.(s)	B. Patent No.(s)	
11/710,588		
Additional numbers attached	1? Yes x No	
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Regina Sam		
ROPES & GRAY LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: Atty. Dkt.: 000174-0266-102		
Street Address: One International Place	X Authorized to be charged to deposit account	
	│ ├ ─┤	
	None required (government interest not affecting title	
City: Boston	8. Payment Information	
State: MA Zip: 02110		
Phone Number: (617) 951-7814		
Fax Number: (617) 951-7050	Deposit Account Number 06-1075	
mail Address: Regina.Sam@ropesgray.com	Authorized User Name Regina Sam	
Signature:		
Kegma Sam	May 14, 2009	
<i>U</i> Signature	Date	
Regina Sam - L0381	Total number of pages including cover	
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Additional Convey	ing Party(ies)/Ex	recution Date(s) (1. Continued):	
Bill Bereza (12/17/200	93)		
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Assignee Name:			
Internal Address:			
Street Address:			
City:	State:	Country:	Zip:
Assignee Name:			
Internal Address:			
Street Address:			
City:	State:	Country:	Zip:
Assignee Name:			
Internal Address:			
Street Address:			
City:	State:	Country:	Zip:
Additional Applicati	ons and/or Pate	nts (4. Continued):	
Additional Patent Application 4A. Continued:	Numbers	Additional Patent Numbers 4B. Continued:	
		_	
·	Additional number	ers attached? Yes No	

Docket No.: 000174-0266-102

ALT-266 (A955)

ASSIGNMENT

WHEREAS we,

- 1) Tad Kwasniewski,
- 2) Haitao Mei,
- 3) Shoujun Wang,
- 4) Mashkoor Baig, and
- 5) Bill Bereza,

residing respectively at:

- 1) 460 Highcroft Avenue, Ottawa, Ontario, Canada K1Z 5J2,
- 2) 118 Beech St., Apt. 305, Ottawa, Ontario, Canada K1S 3K2,
- 3) 218-25 Woodridge Crescent, Nepean, Ontario, Canada K2B 7T4,
- 4) 9, 132 Woodridge Cr., Ottawa, Ontario, Canada K2B 7S9, and
- 5) 6 Lindhurst Cr., Nepean, Ontario, Canada K2G 0T7,

have made an invention in:

MULTITAP FRACTIONAL BAUD PERIOD PRE-EMPHASIS FOR DATA TRANSMISSION

and are about to make application for United States Letters Patent therefor, the same being executed by us on even date or dates herewith; and

WHEREAS, ALTERA CORPORATION, a corporation organized and existing under the laws of the State of Delaware and having an office and place of business at 101 Innovation Drive, San Jose, California 95134-1941, 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 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

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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 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.

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

Date Tad Kwasniewski

Date Haitao Mei

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120,17,203

Date

Shoujun Wany

Shoujun Wang

(1-12-20

Date

Mashkoor Baig

1) Dec

Date

Bill Bereza

PATENT REEL: 022685 FRAME: 0548

FAX TRANSMISSION
DATE: May 14, 2009
1.1.1.5
PTO IDENTIFIER: Application Number 11/710,588 Patent Number
Inventor: Kwasniewski et al.
Tanashorishi otali
MESSAGE TO: USPTO PTAS System
FAX NUMBER: (571) 273-0140
FROM: ROPES & GRAY LLP
Regina Sam
PHONE: (617) 951-7814
FIONE: (017) 931-7814
Attorney Dkt. #: 000174-0266-102
PAGES (Including Cover Sheet):6
CONTENTS: Recordation Form Cover Sheet (2 pages) Assignment (3 pages)
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