(Rev. 6-93)	10-15-2		T U.S.	DEPARTMENT OF COMMERC
OMB No. 0651-0011 (exp. 4/94)		•		Patent and Trademark Offic
Tab settings $\Rightarrow \Rightarrow \checkmark$ \checkmark			Y	▼ ▼
To the Honorable Commissioner of Paten				cuments or copy thereof.
1. Name of conveying party(ies):	102859	866	ess of receiving p	arty(ies):
1. Ning Xue			. Componetie	
2. Chong H. Lee		Name: <u>Alter</u>	<u>a Corporatio</u>	<u>n 24 3</u>
		Internal Addres	s:	
				/9 /9
Additional name(s) of conveying party(ies) attached?	Yes X No		.	
3. Nature of conveyance:				·····
🖾 Assignment 🔲 Merger		Street Address: <u>101 Innovation Drive</u>		
Security Agreement	hange of Name			
	lange of Name			
Other Other	City: <u>San Jo</u>	se S	tate: CA ZIP: <u>95134</u>	
Execution Date: 2. September 28,	2004	Additional name(s) & a	address(es) attached?	Yes 🔀 No
4. Application number(s) or patent number(s):	10G	58417	
If this document is being filed together w	vith a new application.	the execution date	of the application i	1. September 21, 2004 S:2. September 28, 2004
A. Patent Application No.(s)	·····	B. Patent	••	<u></u>
		D. Fatem	NO.(S)	
Attorney Docket No. ALT-	348			
				,
	Additional numbers attache	ed? 🗌 Yes	X No	10-5-84
5. Name and address of party to whom c	orrespondence			
concerning document should be mailed:		6. Total number of applications and patents involved:		
	F			
Name: Fish & Neave LLP		7 Total fee (37 C	FR 3.41)	s 40.00
Internal Address: <u>Jeffrey H.</u> Ingerm			/ ((0.41)	
mema Address. <u>Derriey n.</u> inger		x Enclosed		
		x Authorized to be charged to deposit account		
			to be charged to c	
Street Address: <u>1251 Avenue of th</u>	le Americas	8. Deposit accourt	nt number:	
City New York		06-1075 (charge deficiencies/credit overpayments only)		
City: <u>New York</u> State: <u>N</u>	Y ZIP: 10020-1105	(Attach duplicat	te copy of this page i	f paying by deposit account
	DO NOT US	SE THIS SPACE	· · · · · · · · · · · · · · · · · · ·	
Q. Statement and signature				·
9. Statement and signature. To the best of my knowledge and belief,	the foregoing informat	tion is true and cor	rect and any attach	ned copy is a true copy of
the original document.				
Jeffrey H. Ingerman	heller	A	-	10/5/04
Name of Person Signing		Signature		Date
Reg. No. 31,069 Total num	nber of pages including cove	er sheet, attachments,	and document; 3	
	documents to be recorded with rec	quired cover sheet informat		
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PATENT REEL: 015877 FRAME: 0194

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ASSIGNMENT

Whereas we, Ning Xue and Chong H. Lee, residing, respectively, at 4922 Esguerra Terrace, Fremont, California 94555; and 116 Palmer Street, San Ramon, California 94583, have made an invention in:

> PROGRAMMABLE BIT ERROR RATE MONITOR FOR SERIAL INTERFACE

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

WHEREAS, ALTERA CORPORATION, a corporation organized and existing under the laws 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 and in consideration of the sum of One Dollar (\$1.00) to each of us 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 and divisions thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; 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

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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 and affixed our seals on the date(s) indicated hereinafter.

09/21/2004 Date 09/28/2004 Date

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RECORDED: 10/05/2004

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