	01 - 04 - 1999 Attorney Docket No. 3904-90	
	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademar 100935016		
1. Name of conveying party(ies): Charles Wong Yen-Chen Chen Kuang-Yi Wu Jian-Yu Liu	2. Name and address of receiving party(ies): Name: Chorum Technologie Internal Address: Suite 2000	
Additional name(s) of conveying party(ies) attached?	Street Address: 1155 East Collins Boulevard 8 1936	
3. Nature of conveyance:	City: Richardson State: Texas ZIP: 75084	
✓ Assignment		
Security Agreement Change of Nar		
☐ Other:	Additional name(s) & address(es) attached ?	
Execution Date: November 2, 3, and 7, 1998		
4. Application number(s) or patent number(s).		
If this document is being filed together with a new application, the execution date of the application is:		
A. Patent Application No(s). 09/033.567	B. Patent No(s).	
Additional number		
Additional numbers attached.		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name Richard L. Hughes SHERIDAN ROSS 1700 Lincoln. # 3500 Denver. CO.80203	 7. Total fee (37 CFR 3.41): ☑ 1 nclosed ☐ Charge fee to deposit account ☑ (harge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account. 	
	8. Deposit Account No.: 19-1970	
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9. Statement and signature.		
To the Fest of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.		
Richard L. Hughes Name of Person Signing Signature	Reg. No. 31,264 Date	
Total number of pages including cover sheet, attachments and document: 3		
10. Change Correspondence Address to that of Part 5??		
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Commissioner of Patents and Trademarks Box Assignments		
Washington, D. C. 2023 I		

PATENT REEL: 9667 FRAME: 0502

ASSIGNMENT

WHEREAS, we, Charles Wong of 4208 Karen Ct., Plano, TX 75074, Yen-Chen Chen of No. 5, 4th Chein Kung One Rd., Hsinchu City, Taiwan, ROC, Kuang-Yi Wu of 1112 Lakeridge Dr., Plano, TX 75075, Jian-Yu Liu of 2721 Woods Lane, Garland, Texas 75044, have invented a certain new and useful invention entitled "LIQUID CRYSTAL DEVICE WITH ACUTE TWIST ANGLE FOR OPTICAL COMMUNICATIONS APPLICATIONS", for which an application for Letters Patent of the United States has been prepared and filed on January 6, 1998, receiving Serial No. 09/003,567, and further identified as Attorney File No. 3904-902;

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Chorum Technologies Inc., 1155 East Collins Boulevard, Suite 200, Richardson, Texas 75081, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than Chorum Technologies Inc. and we are under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Chorum Technologies Inc., its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: 11/2/98

By: Song-icong Wong

Date: 11/7/98

By: Yen-Chen Chen

PATENT REEL: 9667 FRAME: 0503

Date: $1 - 3 - 98$	By: Kuang-Yi Wu
Date: 11-2-98	By: Jian-Yu Liu
Witnessed By:	Scott Grout
	Doug Dickerson

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RECORDED: 12/28/1998