FORM PTO

Attorney Docket No. 3904-907

U.S. DEPARTMENT OF COMMERCE

100963208	PATENT	S ONLY	Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks.	lease record the	attached original documents or copy thereo	f.
1. Name of conveying party(ies):		2. Name and address of receiving party(	ies):
Kuang-Yi Wu	e e	Name: Chorum Technologies Inc.	
Jian-Yu Liu		Internal Address: 1155 East Collins Bou	levard, Suite 200
Additional name(s) of conveying party(ies) attached?	es 🗆 No	Street Address: 1155 East Collins Boule	evard, Suite 200
3. Nature of conveyance: 3-4-99		City: Richardson State: Texas ZIP: 75081	
Assignment			
☐ Security Agreement ☐ Change	of Name		
Other:		Additional name(s) & address(es) attached: ?	
Execution Date: November 3, 1998 and December 15, 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). 09/141,396		B. Patent No(s).	
Additional	numbers attached	d? □Yes ☒ No	
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		7. Total fee (37 CFR 3.41):	
SHERIDAN ROSS 1700 Lincoln Street, 35th Floor Denver, CO 80203		Enclosed Charge	e fee to deposit account
		Charge any additional fees associ	ated with this paper or during the redit any overpayment, to deposit
/08/1999 JSHABAZZ 00000092 09141396		account.	
FC:581 40.00 GP		8. Deposit Account No.: 19-1970	
DO NOT USE THIS SPACE		THIS SPACE	40E
9. Statement and signature. To the best of my knowledge and belief, the foregoing informat	ion is true and c	orrect and any attached copy is a true copy	of the original document.
Richard L. Hughes Nome of Person Significant	My .	Reg. No. 31,264 Date	1/1994
Name of Ferson Signing Signature	U	Reg. 110. 31,207 Date	
Total number of pages including cover sheet, attachments and document:			
10. Change Correspondence Address to that of Part 5??			
OMB No. 0651-0011 (exp. 4/94)  Do not detach this portion			
Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks			
Box Assignments Washington, D. C. 20231			

## **ASSIGNMENT**

WHEREAS, we, Kuang-Yi Wu of 1112 Lakeridge Drive, Plano, TX 75075, and Jian-Yu Liu of 2721 Woods Lane, Garland, TX 75044, have invented a certain new and useful invention entitled "N x N SWITCH ARRAY WITH REDUCED COMPONENTS", for which an application for Letters Patent of the United States has been prepared and filed on August 27, 1998, receiving Serial No. 09/141,396, and further identified as Attorney File No. 3904-907;

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., a Delaware corporation having a place of business at 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: 12-15-98

Viana Vi W

Date: (1-3-9)

Jian Vu I in

PATENT REEL: 9743 FRAME: 0434 WITNESSED:

Date: 1/18/19

**RECORDED: 02/04/1999**