BOX ASSIGNMENTS								
TO THE ASSISTANT COMMISSION SIR: PLEASE RECORD THE	11-28-2001 DO NOT USE FOR TRADEMARKS							
SIR: PLEASE RECORD THE ATTAC  1. NAME OF RECORD THE ATTAC  1. John S. Thomson  3.	DO NOT USE FOR TRADEMARKS ONLY  101902514  [HEREOF							
<b>3</b>								
ADDITIONAL NAMES OF SOUTH	21 6 Paul J. Husted 6.							
ADDRESC: 522	RTY(IES) ATTACHED? YES NO							
NAME: Atheros Communications  ADDRESS: 529 Almana A	INTEREST:							
ADDRESS: 529 Almanor Avenue, Sunnyvale, (	California 94085							
ADDITIONAL NAME(S) & ADDRESS(ES) ATTA  3. NATURE OF CONVEYANCE (DOCUMENT) (Submit herewith only one document)	ACHED? TYES NO							
SASSIGNMENT OF SWHOLE	rdation—multiple copies of same Assignment							
ASSIGNMENT DIFFE ON THE DECLARATION I								
EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND  4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached?   A. PAT. APP. NO.(S)  Series code/serial no  1 INVENTOR BIPATEUR.								
09/816 810	VENTOR BIPATENT NO.							
5. Name & Address of Party to Whom Corresponder Concerning Document Should be Mailed:	1ª INVENTOR							
Pillsbury Winthrom L. D.	APPLNS 1 + PATS 0 - TOTAL							
Interlectual Property Group	1 /- AMOUNT OF FEE THOU							
1600 Tysons Boulevard McLean, VA 22102 5.5ATTY DKT:	ABOVE TOTAL x \$40 = \$40							
73169-278101	8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT AND THE PROPERTY OF THE PROPE							
MATTER NO. CLIENT REF.	CINDER ORDER NO 073169 073169							
9. STATEMENT AND SIGNATURE	OLIENI N()							
I SIGNATURE. To the best of my	knowledge and belief, the foregoing information is true and correct.  10. Total number of pages including this							
Jan Jan	10. Total number of pages including this cover sheet, attachments and document 3  (do not file dup. Cover sheet)							
Attorney: Roger S. Joyner Reg. No. 36,176								
Atty/Sec: RSJ/mmh TEL: (650) 233-4552	Date: October 18, 2001 FAX: (650) 233-4040							
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PATENT REEL: 012317 FRAME: 0047 Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102

Atty. Dkt.

PMS

73169/278101

ATH-021 (CIP)

Client Ref.

## ASSIGNMENT of U.S. Origin Patent Application

WHEREAS, the undersigned, to wit:

1)	John S.	Thomson			2)	Paul J. Husted			
(he	reinafter c	collectively AS	SSIGNOR), ha	ıs/have made a	an inv	ention known as Dkt.	73169/278101		
and	entitled:	Decoding	System and I	Method for Dig	gital (	Communications			
for which an application for Letters Patent of the United States									
	was execu	uted even dat	e herewith an	d is about to be	e filed	in the United States I	Patent and Trademark Office;		
$\boxtimes$	was filed o	on March 2	3, 2001	, Appln. No.	09/8	16,810	;		
							_		
	AND	WHEREAS	Atheros Cor	nmunications,	Inc.				
(he	einafter A	ASSIGNEE), d	duly organized	I and existing ι	ınder	the laws of the State of	of Delaware		
and	having its	s principal offi	ce and place	of business at	529	Almamor Avenue, Su	ınnyvale, California 94085		
des	ires to acc	quire an inter	est therein;						

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

<u>NOTE</u>: The undersigned hereby authorizes Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

<u>Signature</u>

1)

2)

Name: John S. Thomson

Name: Paul J. Husted

**Date Signed** 

9/5/2001

PAT-114B 1/01