

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Chin Hung CHEN</td><td>02/02/2009</td></tr><tr><td>Ning ZHANG</td><td>02/06/2009</td></tr></tbody></table>	Name	Execution Date	Chin Hung CHEN	02/02/2009	Ning ZHANG	02/06/2009					
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Atheros Communications, Inc.</td></tr><tr><td>Street Address:</td><td>5480 Great America Parkway</td></tr><tr><td>City:</td><td>Santa Clara</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95054</td></tr></table>	Name:	Atheros Communications, Inc.	Street Address:	5480 Great America Parkway	City:	Santa Clara	State/Country:	CALIFORNIA	Postal Code:	95054	
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12367119</td></tr></tbody></table>	Property Type	Number	Application Number:	12367119							
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CORRESPONDENCE DATA											
Fax Number: (408)938-9069 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 408-938-9060											
Email: swarren@mhbpatents.com											
Correspondent Name: Murabito, Hao & Barnes LLP											
Address Line 1: Two North Market Street											
Address Line 2: Third Floor											
Address Line 4: San Jose, CALIFORNIA 95113											
ATTORNEY DOCKET NUMBER:	ATH-0370										
NAME OF SUBMITTER:	James P. Hao										
Total Attachments: 2 source=ATH-0370-ASSIGN#page1.tif source=ATH-0370-ASSIGN#page2.tif											

OP \$40.00 12367119

PATENT

500774794

REEL: 022220 FRAME: 0291

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Chin-Hung CHEN
Ning ZHANG

of 5480 Great America Parkway Santa Clara, CA 95054
 of 5480 Great America Parkway Santa Clara, CA 95054

hereby sell, assign and transfer to Atheros Communications, Inc., a Delaware corporation, having a place of business at 5480 Great America Parkway Santa Clara, CA 95054, its successors and assigns, the entire right, title and interest throughout the world in our invention in

"TRIGGERING AND TRANSMITTING SOUNDING PACKETS FOR WIRELESS COMMUNICATIONS"

for which we will execute a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 2nd day of February, 2009.

Chin-Hung Chen
 Chin-Hung CHEN

Signature Witness 1: Chi-Lin Su
 (Print name)

Signature Witness 2: Fu-Yu Tsai
 (Print name)

Executed this _____ day of _____, 2009.

Ning ZHANG

Signature Witness 1: _____
 (Print name)

Signature Witness 2: _____
 (Print name)

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Chin-Hung CHEN
Ning ZHANG

of 5480 Great America Parkway Santa Clara, CA 95054
of 5480 Great America Parkway Santa Clara, CA 95054

hereby sell, assign and transfer to **Atheros Communications, Inc.**, a Delaware corporation, having a place of business at 5480 Great America Parkway Santa Clara, CA 95054, its successors and assigns, the entire right, title and interest throughout the world in our invention in

"TRIGGERING AND TRANSMITTING SOUNDING PACKETS FOR WIRELESS COMMUNICATIONS"

for which we will execute a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this _____ day of _____, 2008.

Chin-Hung CHEN

Signature Witness 1: _____
(Print name)

Signature Witness 2: _____
(Print name)

Executed this 6th day of February, 2008.

Ning ZHANG

Signature Witness 1: _____
(Print name)

Signature Witness 2: _____
(Print name)

ROBERT ANTONIO