

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Hao-Ren Cheng	08/27/2010
Gaspar Lee	08/27/2010
Qinfang Sun	08/27/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Atheros Communications, Inc.
<b>Street Address:</b>	1700 Technology Drive
<b>City:</b>	San Jose
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95110
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12870577
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)200-0930
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<b>Correspondent Name:</b>	BEVER HOFFMAN & HARMS, LLP
<b>Address Line 1:</b>	901 CAMPISI WAY
<b>Address Line 2:</b>	SUITE 370
<b>Address Line 4:</b>	CAMPBELL, CALIFORNIA 95008
<b>ATTORNEY DOCKET NUMBER:</b>	ATH-0498
<b>NAME OF SUBMITTER:</b>	Jeanette S. Harms

Total Attachments: 2  
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**501275257**

**PATENT  
 REEL: 024902 FRAME: 0324**

**OP \$40.00 12870577**



ASSIGNMENT

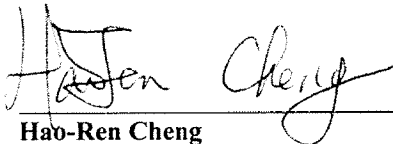
For good and valuable consideration, receipt of which is hereby acknowledged, we

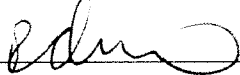
Hao-Ren Cheng of 1700 Technology Drive San Jose, CA 95110  
Gaspar Lee of 1700 Technology Drive San Jose, CA 95110  
Qinfang Sun of 1700 Technology Drive San Jose, CA 95110

hereby sell, assign and transfer to **Atheros Communications, Inc.**, a Delaware corporation, having a place of business at 1700 Technology Drive San Jose, CA 95110, its successors and assigns, the entire right, title and interest throughout the world in our invention in

“HYBRID BIT EXTRACTION FOR GLOBAL POSITION RECEIVER”

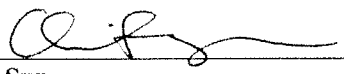
for which we will execute a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing 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 27<sup>th</sup> day of Aug, 2010  
  
Hao-Ren Cheng

Signature Witness 1:  Signature Witness 2: \_\_\_\_\_  
(Print name) ROBERT ANTON (Print name)

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2010  
\_\_\_\_\_  
Gaspar Lee

Signature Witness 1: \_\_\_\_\_ Signature Witness 2: \_\_\_\_\_  
(Print name) (Print name)

Executed this 27<sup>th</sup> day of August, 2010  
  
Qinfang Sun

Signature Witness 1:  Signature Witness 2: \_\_\_\_\_  
(Print name) ROBERT ANTON (Print name)

ASSIGNMENT

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

Hao-Ren Cheng of 1700 Technology Drive San Jose, CA 95110  
Gaspar Lee of 1700 Technology Drive San Jose, CA 95110  
Qinfang Sun of 1700 Technology Drive San Jose, CA 95110

hereby sell, assign and transfer to **Atheros Communications, Inc.**, a Delaware corporation, having a place of business at 1700 Technology Drive San Jose, CA 95110, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**"HYBRID BIT EXTRACTION FOR GLOBAL POSITION RECEIVER"**

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 \_\_\_\_\_, 2010

\_\_\_\_\_  
**Hao-Ren Cheng**

Signature Witness 1. \_\_\_\_\_  
(Print name)

Signature Witness 2. \_\_\_\_\_  
(Print name)

Executed this Monday of August, 2010

Gaspar Lee  
\_\_\_\_\_  
**Gaspar Lee**

Signature Witness 1. \_\_\_\_\_  
(Print name)

Signature Witness 2. \_\_\_\_\_  
(Print name)

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2010

\_\_\_\_\_  
**Qinfang Sun**

Signature Witness 1. \_\_\_\_\_  
(Print name)

Signature Witness 2. \_\_\_\_\_  
(Print name)