

RECORDATION FORM COVER SHEET 16289US01  
PATENTS ONLY

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Bo Zhang  
Reinhard Schumann

Execution Date(s) March 17, 2005

Additional name of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: Broadcom Advanced Compression Group, LLC

Internal Address: \_\_\_\_\_

Street Address: 200 Brickstone Square

Suite 401

City: Andover

State: MA

Country: USA Zip: 01810

Additional Name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

4. Application number(s) or patent number(s):

A. Patent Application No.(s)  
11/096,467

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: McAndrews, Held & Malloy

Internal Address: \_\_\_\_\_

Street Address: 500 West Madison Street

34<sup>th</sup> Floor

City: Chicago

State: IL Zip: 60661

Phone Number: (312) 775-8000

Fax Number: (312) 775-8100

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 13-0017

Authorized User Name McAndrews Held & Malloy, Ltd.

9. Signature:

*Wayne H. Bradley*  
Signature

Wayne H. Bradley Reg. No. 39,319

5/18/05  
Date

Total number of pages  
sheet, attachments, and documents

4

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5996, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 130017 11096467

**ASSIGNMENT**

Case No. 16289US01

Serial No. 11/096,467

Inventor: Bo Zhang  
Reinhard Schumann

Filing Date: April 1, 2005

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to **Broadcom Advanced Compression Group, LLC**, 200 Brickstone Square, Suite 401, Andover, MA 01810, a Delaware corporation, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for letters Patent of the United States, entitled: **METHOD AND SYSTEM FOR RATE CONTROL IN A VIDEO ENCODER**, and identified as Case No. 16289US01 in the offices of **McANDREWS, HELD & MALLOY, LTD.**, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, reexamination, reissue or extension of such patents, and further assign to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its

own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment has not been made.

WITNESS my hand this 17<sup>th</sup> day of March, 2005.

  
Bo Zhang

\_\_ day of March, 2005.



Reinhard Schumann