

**RECORDATION FORM COVER SHEET  
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):**Xuemin Chen  
Iue-Shuenn Chen  
Shee-Yen Tan  
Hongbo Zhu  
Qiang YeExecution Date(s) May 20, 2005Additional name of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

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

**2. Name and address of receiving party(ies)**Name: Broadcom Corporation

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

Street Address: 16215 Alton Parkway

P.O. Box 57013

City: IrvineState: CaliforniaCountry: USA Zip: 92619-7013Additional Name(s) & address(es) attached? ☐ Yes ☒ No**4. Application number(s) or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/136,027

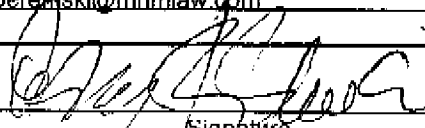
B. Patent No.(s)

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 Street34<sup>th</sup> FloorCity: ChicagoState: IllinoisZip: 60661Phone Number : 312-775-8000Fax Number: 312-775-8100Email Address: oberemski@mhmlaw.com**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 13-0017Authorized User Name McAndrews Held & Malloy, Ltd.**9. Signature :**July 8, 2005

Ognyan I. Beremski, Reg. #51,458

Date

Total number of pages including cover  
sheet, attachments, and documents 9

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450**PATENT**

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**ASSIGNMENT**

File No.: 16579US01

Serial No.: 11/136,027

Inventor: Xuemin Chen  
Iue-Shuenn Chen  
Shee-Yen Tan  
Hongbo Zhu  
Qiang Ye

Filing Date: May 23, 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 Corporation, a California 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 APPARATUS FOR CONSTRUCTING AN ACCESS CONTROL MATRIX FOR A SET-TOP BOX SECURITY PROCESSOR, and identified as File No. 16579US01, 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 applications or patents, and further assigns 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, if applicable.

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 continuation, continuation-in-part, divisional, extension and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, re-examination or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents 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 to vest all rights hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and

Docket No.: 16579US01

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 had not been made.


Docket No.: 16579US01

WITNESS my hand this 26<sup>th</sup> day of May, 2005.

  
\_\_\_\_\_  
Xuemin Chen

Docket No.: 16579US01

WITNESS my hand this 20<sup>th</sup> day of May, 2005.

  
Hue-Shuenn Chen

Docket No.: 16579US01

WITNESS my hand this 20<sup>th</sup> day of May, 2005.

  
\_\_\_\_\_  
Shee-Yen Tan

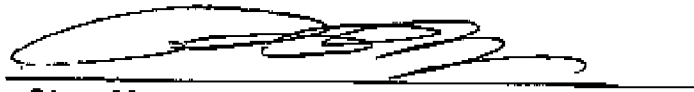
Docket No.: 16579US01

WITNESS my hand this 20<sup>th</sup> day of May, 2005.



Hongbo Zhu

**WITNESS** my hand this 20th day of May, 2005.

A handwritten signature in black ink, appearing to be 'Qiang Ye', written over a horizontal line.

Qiang Ye