

Docket No. 13387US02

Form PTO-1595
(Rev. 03/01)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

Vivian Hsiun
Alexander G. MacInnis
Xiaodong Xie

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

Broadcom Corporation
16215 Alton Parkway
Irvine, California 92618Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☒ Other: Corrected Assignment to Correct Assignor
Name: Reel 014147/Frame 0734

Additional name(s) & address(es) attached? ☐ Yes ☒ NoExecution Date: 1. 07/27/2003; 2. 07/14/2003; 07/16/2003

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

10/404,389

Additional numbers attached? ☐ Yes ☒ No

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

McAndrews, Held & Malloy, Ltd.
34th Floor
500 West Madison Street
Chicago, Illinois 60661

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- ☐ Enclosed. Any excess or insufficiency should be credited or debited to deposit account.
- ☒ Authorized to be charged to deposit account.

8. Deposit account number:

13-0017

DO NOT USE THIS SPACE

9. Signature.

Name of Person Signing: John A. WibergReg. No. 44,401Date: February 5, 2004Signature: Total number of pages including cover sheet, attachments and document: 7

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services, Director of the US Patent and Trademark Office
P.O. Box 1450 Alexandria, VA. 22313-1450

PATENT

REEL: 014309 FRAME: 0949

700064547

CH \$40.00 130017 10404389

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies): Vivian Hsiun, Alexander G. MacInnis and Xiaodong

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

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:

Execution Dates: July 27, 2003, July 14, 2003 and July 16, 2003, respectively

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

Broadcom Corporation
16215 Alton Parkway
Irvine, CA 92618Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/404,389

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

John A. Wiberg
McAndrews, Held & Malloy, Ltd.
500 W. Madison, 34th Floor
Chicago, IL 60661

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed.☒ Authorized to be charged to deposit account.

8. Deposit account number: 13-0017.

(Attach duplicate copy of this page if paying by deposit account).

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Signature and Registration Number:

Registration No. 44,401

Date: November 21, 2003

Name of Person Signing: John A. Wiberg

Total number of pages including cover sheet, attachments and document: 6

ASSIGNMENT

File No.: 13387US02

Application Serial No.: 10/404,389

Inventors: Vivian Hsiun
Alexander G. MacInnis
Xiaodong Xie

Filing Date: April 1, 2003

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, each of the undersigned hereby assigns to Broadcom Corporation, incorporated under the laws of the state of California, 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: **INVERSE QUANTIZER SUPPORTING MULTIPLE DECODING PROCESSES**, and identified as File No. 13387US02, 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 reissue or extension of such patents, and further assign to said assignee the priority right provided by the International Convention.

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

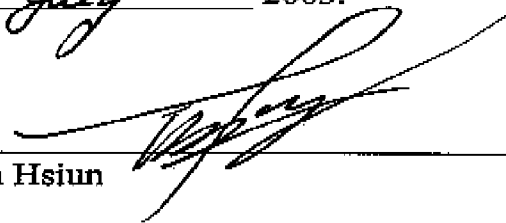
Each of the undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

Each of the undersigned warrants himself/herself 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, each of 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 each of 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


- 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.

WITNESS my hand this 27th day of July 2003.




Vivian Hsiun

WITNESS my hand this 14th day of July 2003.



Alexander G. MacInnis

WITNESS my hand this 16 day of July 2003.



Xiaodong Xie