



02-04-2010

DEPARTMENT OF COMMERCE  
Patent and Trademark Office



103588259

RECORDATION  
PATENT

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

**1. Name of conveying party(ies)**

Broadcom International Limited

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 01/29/2010

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

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

Name: Broadcom Corporation

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

Street Address: 5300 California Avenue

City: Irvine

State: California

Country: US Zip: 92617

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

☐ This document is being filed together with a new application.  
A. Patent Application No.(s)  
11/377,114  
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

Internal Address: c/o

Street Address: 1100 New York Avenue, N.W.

City: Washington

State: D.C. Zip: 20005-3934

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

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

**6. Total number of applications and patents involved:** one (1)

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

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

**8. Payment Information**

1005

08/2013

Deposit Account Number 19-0036

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

01/21/10  
Date

Michael R. Malek  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

02/01/2010 JAD001 00000052 11377114

02 FC:0021

40.00 DP

PATENT

REEL: 023897 FRAME: 0203

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration, receipt of which is hereby acknowledged, **Broadcom International Limited**, a corporation organized under the laws of the Cayman Islands corporation, with a registered address at Zephyr House, Mary Street, P.O. Box 709 GT, George Town, Grand Cayman, Cayman Islands, British West Indies (hereafter referred to as the "Assignor"), hereby sells and assigns to **Broadcom Corporation**, a corporation formed under the laws of California, whose mailing address is 5300 California Avenue, Irvine, California 92617 (hereafter referred to as the "Assignee"), its entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages,

(a) in each of the Patents and Patent Applications that are described in detail in Schedule A and Schedule B annexed hereto and made a part hereof, and

(b) in any and all applications that claim the benefit of the Patents and Patent Applications described in detail in Schedule A and Schedule B, including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals, and reexaminations of such Patents and Patent Applications, to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in each of the Patents and Patent Applications that are described in detail on Schedule A and Schedule B, and in all forms of intellectual and industrial property protection derivable therefrom, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such Patents and Patent Applications, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The Assignor agrees to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The Assignor agrees to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the applications or Letters Patents or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee at Assignee's expense in every reasonable way possible in obtaining evidence and going forward with such interference or patent enforcement act.

The Assignor agrees to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The Assignor hereby represents that Assignor has full right and authority to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict therewith.

The Assignor hereby grants the patent practitioners associated with CUSTOMER NUMBER 49579 the power to insert in this assignment, including the attached Schedule A and Schedule B, any further information regarding the patents and patent applications so identified in such Schedule A and Schedule B that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

SIGNED on behalf of the said ASSIGNOR,

BROADCOM INTERNATIONAL LIMITED

Signed: 

Name: \_\_\_\_\_

Des Henderson

Title: Director, Intellectual Property Administration

Title: \_\_\_\_\_

Date: 1/29/10

1071459\_1.DOC

# ASSIGNMENT

## SCHEDULE A

### UNITED STATES PATENTS AND UNITED STATES PATENT APPLICATIONS

	Application No.	Filing Date	Patent No.	Issue Date
1.	09/670,490	9/26/2000	6,898,236	5/24/2005
2.	09/791,970	2/22/2001	6,507,608	1/14/2003
3.	10/027,481	12/19/2001	7,023,910	4/4/2006
4.	10/789,552	2/26/2004	7,421,015	9/2/2008
5.	10/789,553	2/26/2004	7,369,607	5/6/2008
6.	10/721,445	11/24/2003	7,443,916	10/28/2008
7.	10/773,054	2/4/2004	7,433,395	10/7/2008
8.	10/883,520	6/30/2004	7,502,336	3/10/2009
9.	10/948,406	9/22/2004	7,177,419	2/13/2007
10.	11/377,083	3/15/2006	7,555,037	6/30/2009
11.	11/248,704	10/11/2005	N/A	N/A
12.	11/067,434	2/25/2005	N/A	N/A
13.	11/131,392	5/16/2005	N/A	N/A
14.	11/377,114	3/15/2006	N/A	N/A
15.	11/377,084	3/15/2006	N/A	N/A
16.	11/348,733	2/6/2006	N/A	N/A
17.	12/287,577	10/10/2008	N/A	N/A

# ASSIGNMENT

## SCHEDULE B

### INTERNATIONAL APPLICATIONS AND APPLICATIONS FILED UNDER THE PATENT COOPERATION TREATY (PCT)

	Country	Application No.	Filing Date
1.	Canada	2,535,989	6/30/2005
2.	Canada	2,582,957	10/11/2005
3.	Canada	2,582,959	10/14/2005
4.	Canada	2,601,411	3/16/2006
5.	Canada	2,601,389	3/17/2006
6.	Europe	05 767 808.8	6/30/2005
7.	Europe	06 738 974.2	3/16/2006
8.	Europe	06 748 434.5	3/17/2006
9.	Mexico	MX/a/2007/011460	9/18/2007
10.	Mexico	MX/a/2007/011461	9/18/2007
11.	PCT	US09/55821	9/29/2009