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U.S. DEPARTMENT OF COMMERCE  
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102942244

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

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

- 1) Pieter Vorenkamp;
- 2) Klaas Bult; and
- 3) Frank Carr

Execution Date(s) 1) 2/4/2000; 2) 2/7/2000; and 3) 2/16/2000

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

2. Name and address of receiving party(ies)

Name: Broadcom Corporation

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

Street Address: 16215 Alton Parkway

City: Irvine

State: California

Country: USA Zip: 92618-3616

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 or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

*To Be Assigned*

B. Patent No.(s)

02/09/2005 AKELECHI 00000009 11050107

06 FC:8021

40.00 DP

Additional numbers attached?  Yes  No

00 FC:  
02/09/2005 AKELECHI 00000009 11050107  
01 FC:1011  
02 FC:1111  
03 FC:1311  
04 FC:1501  
05 FC:1081

5. Name and address of person from correspondence concerning documents to be mailed:

Name: Sterne, Kessinger & Fox P.L.L.C.

Internal Address: c/o Jeffrey T. Helvey

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

City: Washington

State: D.C. Zip: 20005-3934

Phone Number: (202) 371-2600

Fax Number: (202) 371-2540

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

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- 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 1005  
Expiration Date 08/2005

b. Deposit Account Number 19-0036

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

9. Signature:

*Jeff Helvey*  
Signature

2/4/05  
Date

Jeffrey T. Helvey  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

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, V.A. 22313-1450 348288

PATENT  
REEL: 016250 FRAME: 0825

# COPY

Docket No. 34013/LTR/B600

Joint

## ASSIGNMENT

WHEREAS, WE, PIETER VORENKAMP, KLAAS BULT, and FRANK CARR, residing at

5 Timberland, Aliso Viejo, California 92656;  
Mesdaglaan 1C, 3735 LK Bosch en Duin, The Netherlands; and  
77 Bell Canyon Drive, Dove Canyon, California 92679;

respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **SYSTEM AND METHOD FOR ON-CHIP FILTER TUNING**, filed November 12, 1999, Application No. 09/438,234.

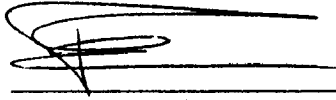
**AND WHEREAS**, BROADCOM CORPORATION, a California corporation, having a place of business at 16215 Alton Parkway, Irvine, California 92618-3616 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

**NOW, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

**AND WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

**AND WE HEREBY** further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 14<sup>th</sup> day of Feb, 192000.



\_\_\_\_\_  
Pieter Vorenkamp

STATE OF )  
COUNTY OF )

On \_\_\_\_\_, before me \_\_\_\_\_, Notary Public, personally appeared Pieter Vorenkamp personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 14<sup>th</sup> day of Feb, 192000.

  
\_\_\_\_\_  
Klaas Bult

STATE OF )  
COUNTY OF )

On \_\_\_\_\_, before me \_\_\_\_\_, Notary Public, personally appeared Klaas Bult personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary

\*\*\*\*\*

ASSIGNMENT  
Docket No. 34013/LTR/B600

Joint

IN TESTIMONY WHEREOF, I hereunto set my hand this 10<sup>th</sup> day of Feb, 192005

Frank Carr  
Frank Carr

STATE OF )  
COUNTY OF )

On \_\_\_\_\_, before me \_\_\_\_\_, Notary Public,  
personally appeared **Frank Carr** personally known to me (or proved to me on the basis of satisfactory  
evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me  
that he executed the same in his authorized capacity, and that by his signature on the instrument the  
person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary

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