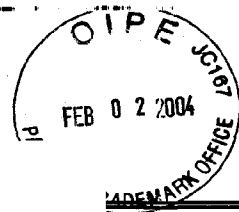


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07-21-2003

Form PTO-1595 (Rev. 03/01)



U.S. Department of Commerce Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

102630087

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

1. Name of conveying party(ies):

1) Pieter Vorenkamp
2) Klaas Bult
3) Frank Carr

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 Zip Code: 92618-3616

Country: United States

Additional name(s) & address(es) attached? yes no

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: 1) February 4, 2000
2) February 7, 2000
3) February 16, 2000

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). 10/388,398

B. Patent No(s).

Additional numbers attached? yes no

5. Name and address of party 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 Ave., N.W.

City: Washington State: D.C. Zip Code: 20005-3934

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41).....\$ 40.00

Enclosed
 Charge: PTO-2038 Credit Card Form Enclosed
 Authorized to be charged to Deposit Account

8. Deposit Account Number: 410E
19-0036

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

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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.

Jeffrey T. Helvey _____
Name of Person Signing Signature Date 7/8/03
Registration No. 44,757

Total number of pages including cover sheet, attachments and document 4

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

SKGF DCI:148388.1

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;

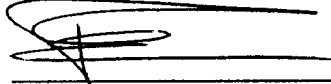
AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

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.

ASSIGNMENT
Docket No. 34013/LTR/B600

Joint

IN TESTIMONY WHEREOF, I hereunto set my hand this 14th 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 14th 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 16th day of Feb, 192000

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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