

12-17-2001



Form PTO-1595

(Rev. 03/01)

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

101918377

PATENT 1595

U.S. Department of Commerce

Patent and Trademark Office

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

## 1. Name of conveying party(ies):

- (1) Todd L. Brooks;  
(2) David S. Ho;  
(3) Kevin L. Miller; and  
(4) Eric Fogleman

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: U.S.A.

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

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Dates:

(1) 12/7/01; (2) 12/10/01; (3) 12/11/01; and (4) 12/701

## 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). 09/949,807

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 &amp; Fox P.L.L.C.

Internal Address: c/o

Street Address: 1100 New York Ave., N.W.  
Suite 600

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☐ Authorized to be charged to Deposit Account

## 8. Deposit Account Number:

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.

John A. Harroun

Name of Person Signing

Registration No. 46,339

Signature

December 12, 2001

Date

Total number of pages including cover sheet, attachments and document 12

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

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PATENT  
REEL: 012360 FRAME: 0242

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) Todd L. Brooks; (2) David S. Ho; (3) Kevin L. Miller; and (4) Eric Fogleman, the undersigned inventors hereby sell and assign to Broadcom Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

*check applicable box(es)*    ☒ for the United States of America (as defined in 35 U.S.C. § 100),  
                                          ☒ and throughout the world,

(a) in the invention(s) known as **Method and Apparatus for Mismatched Shaping of an Oversampled Converter** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (1) 12/07/01; (2) \_\_\_\_\_; (3) \_\_\_\_\_; and (4) \_\_\_\_\_ (also known as United States Application No. 09/949,807, filed September 12, 2001), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, 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 undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B.

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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: 12/07/01 Signature of Inventor: Todd L. Brooks  
Todd L. Brooks

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
David S. Ho

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Kevin L. Miller

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Eric Fogleman

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(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, 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.

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Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Todd L. Brooks

Date: 10 Dec 2001 Signature of Inventor: \_\_\_\_\_  
David S. Ho  
David S. P. Ho

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Kevin L. Miller

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Eric Fogleman

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Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
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Date: 12-11-01 Signature of Inventor:   
Kevin L. Miller

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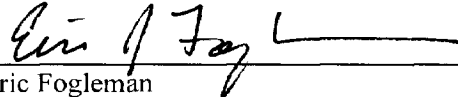
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