

01-28-2009



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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)

1) Kevin T. CHAN and 2) Michael Q. LE

2. Name and address of receiving party(ies)

Name: Broadcom Corporation

Internal Address: _____

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

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

Execution Date(s) 1) 03/21/2003 & 2) 03/20/2003

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

Street Address: 5300 California Avenue

City: Irvine

State: California

Country: _____ 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)

To Be Assigned

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 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: JHelvey@skgf.com

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

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

X

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

8. Payment Information

1005

08/2009

Deposit Account Number 19-0036

Authorized User Name SKGF PLLC

9. Signature:

J T Helvey
Signature

11/15/09

Date

Jeffrey T. Helvey
Name of Person Signing

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

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

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01/16/2009 AWONDAF1 00000025 12320041

01 FC:8021

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01/16/2009 AWONDAF1 00000024 12320041

01-FC:1011
02-FC:1111

330-00-0P

PATENT

REEL: 022180 FRAME: 0143

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) Kevin T. Chan, and (2) Michael O. Lo, 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 A Physical Layer Device Having An Analog SERDES Pass Through Mode, for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (1) 3/21/03 and (2) _____ (also known as United States Application No. (to be assigned), filed Herewith),
 in any and all applications thereon, in any and all Letters Patent(s) therefor, and

*RFS.
3/21/03*

(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.

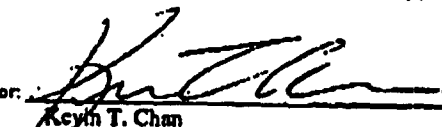
The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree 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 inventors hereby represent 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 inventors hereby grant James D. Bonnett, Registration No. 37,550, and David J. Rosmann, Registration No. 43,059, of Broadcom Corporation, 16215 Alton Parkway, Irvine, CA 92618-3616, and 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; Michelo A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lo, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda B. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugalsky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; Robert C. Millonig, Esquire, Registration No. 34,395; Michael V. Messinger, Esq., Registration No. 37,575; Judith U. Kim, Esq., Registration No. 40,679; Timothy J. Shea, Jr., Esq., Registration No. 41,306; and Patrick E. Garrott, Esq., Registration No. 39,987; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Washington, D.C. 20005-3934, power to insert in this assignment any further identification 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

- (1) Date: 3/21/03 Signature of Inventor: 
Kevin T. Chan
- (2) Date: _____ Signature of Inventor: _____
Michael Q. Lo
- (3) Date: _____ Signature of Inventor: _____
- (4) Date: _____ Signature of Inventor: _____
- (5) Date: _____ Signature of Inventor: _____
- (6) Date: _____ Signature of Inventor: _____
- (7) Date: _____ Signature of Inventor: _____

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) Kevin T. Chan, and (2) Michael O. Lo, the undersigned inventors hereby sell and assign to Broadcom Corporation (the Assignee) his/hor entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

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- 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 A Physical Layer Device Having An Analog SERDES Pass Through Mode for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (1) and (2) 3/21/03 (also known as United States Application No. (to be assigned), filed Herewith), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

RES 3/21/03

(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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- (1) Date: _____ Signature of Inventor: Kevin T. Chan
- (2) Date: 3/20/03 Signature of Inventor: Michael Q. Lee
Michael Q. Lee
- (3) Date: _____ Signature of Inventor: _____
- (4) Date: _____ Signature of Inventor: _____
- (5) Date: _____ Signature of Inventor: _____
- (6) Date: _____ Signature of Inventor: _____
- (7) Date: _____ Signature of Inventor: _____