

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Lisa Voigt Denney | 09/24/2002 |
| Hooman Moshar | 09/25/2002 |
| John Daniel Horton Jr. | 09/24/2002 |
| Shane Patrick Lansing | 09/25/2002 |
| Sean Francis Nazareth | 09/25/2002 |
| Niki Roberta Pantelias | 09/24/2002 |
| RECEIVING PARTY DATA | |
| Name: | Broadcom Corporation |
| Street Address: | 5300 California Avenue |
| City: | Irvine |
| State/Country: | CALIFORNIA |
| Postal Code: | 92617 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12763372 |
| CORRESPONDENCE DATA | |
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| Correspondent Name: | Sterne, Kessler, Goldstein & Fox P.L.L.C |
| Address Line 1: | 1100 New York Avenue, N.W. |
| Address Line 4: | Washington, DISTRICT OF COLUMBIA 20005 |
| ATTORNEY DOCKET NUMBER: | 1875.1670003 |
| NAME OF SUBMITTER: | Michael R. Malek |

OP \$40.00 12763372

Total Attachments: 4

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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 inventor(s): 1) Lisa Voigt Denney, 2) Hooman Moshar, 3) John Daniel Horton, Jr., 4) Shane Patrick Lansing, 5) Sean Francis Nazareth, and 6) Niki Roberta Pantelias, the undersigned inventor(s) hereby sell(s) and assign(s) 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 Highly Integrated Media Access Control for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 1) 9/24/02, 2) _____, 3) 9/24/02, 4) _____, 5) _____, and 6) 9/24/2002 (also known as United States Application No. To be assigned, filed To be filed), 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.

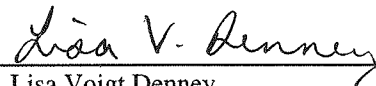
The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s)

thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

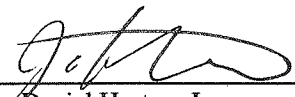
The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) James D. Bennett, Esquire, Registration No. 37,550; and David J. Rosmann, Esquire, 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; Michele 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. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, 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 inventor(s) on the date opposite his/her name.


Date: 9/24/2002 Signature of Inventor: 
Lisa Voigt Denney

Date: _____ Signature of Inventor: _____
Hooman Moshar

Date: 9/24/2002 Signature of Inventor: 
John Daniel Horton, Jr.

Date: _____ Signature of Inventor: _____
Shane Patrick Lansing

Date: _____ Signature of Inventor: _____
Sean Francis Nazareth

Date: 9/24/2002 Signature of Inventor: 
Niki Roberta Pantelias

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- and throughout the world,

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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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thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

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Date: _____ Signature of Inventor: _____
Lisa Voigt Denney

Date: 9/25/02 Signature of Inventor: 
Hooman Moshar

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John Daniel Horton, Jr.

Date: 9/25/02 Signature of Inventor: 
Shane Patrick Lansing

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Sean Francis Nazareth

Date: _____ Signature of Inventor: _____
Niki Roberta Pantelias