| 04-11                                                                                                                     |                                                                                             |
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| Form PTO-1595 (Rev. 06/04) OMB No. 0651-0027 (exp. 6/30/20                                                                | U.S. DEPARTMENT OF COMMERC  United States Patent and Trademark Office                       |
| 102977104                                                                                                                 | <b>EET</b> <u>Docket No. 1875.5520001</u>                                                   |
| To the Director of the U.S. Patent and Trademark Office.                                                                  | ttached documents or the new address(es) below.                                             |
| <ol> <li>Name of conveying party(ies)/Execution Date(s):</li> <li>Alan GIN</li> <li>Jen-Chieh CHIEN</li> </ol>            | 2. Non and address of receiving party(ies)  Name: Broadcom Corporation  Internal Address:   |
| Execution Date(s) March 28, 2005  Additional name(s) of conveying party(ies) attached? Yes X No  3. Nature of conveyance: | Street Address: 16215 Alton Parkway                                                         |
| X       Assignment       ☐ Merger         ☐ Security Agreement       ☐ Change of Name                                     | City: <u>Irvine</u> State: California                                                       |
| Government Interest Assignment Executive Order 9424, Confirmatory License Other                                           | Country: United States Zip: 92618-3616  Additional name(s) & address(es) attached? Yes X No |
| A. Patent Application No.(s)  To Be Assigned  Additional numbers at                                                       | B. Patent No.(s)                                                                            |
| 5. Name and address to whom correspondence concerning document should be mailed:                                          | 6. Total number of applications and patents involved:                                       |
| Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.                                                                           | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00                                               |
| Internal Address: c/o Theodore A. Wood                                                                                    | X Authorized to be charged by credit card Authorized to be charged to deposit account       |
| Street Address: 1100 New York Avenue, N.W.                                                                                | Enclosed     None required (government interest not affecting title)                        |
| City: Washington                                                                                                          | 8. Payment Information                                                                      |
| State: <u>D.C.</u> Zip: <u>20005-3934</u>                                                                                 | a. Credit Card Last 4 Numbers 1005<br>Expiration Date 08/2005                               |
| Phone Number: (202) 371-2600                                                                                              | b. Deposit Account Number 19-0036                                                           |
| Fax Number: (202) 371-2540                                                                                                |                                                                                             |
| Email Address: twood@skgf.com                                                                                             | Authorized User Name <u>SKGF PLLC</u>                                                       |
| 9. Signature: ///www.o. W/                                                                                                | March 29, 2005                                                                              |
| Signature Theodore A. Wood, Por. No. 52.27                                                                                | Date                                                                                        |
| Theodore A. Wood, Reg. No. 52,37 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 (703) 306-5995, 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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(40.00 DP)

## **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) Alan GIN and 2) Jen-Chieh CHIEN, hereby sell and assign to Broadcom Corporation, a corporation formed under the laws of California, whose mailing address is 16215 Alton Parkway, Irvine, CA 92618-3616 (hereafter referred to as 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, 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 <u>Method and System for Downstream Time Stamp in an Adaptive Modulation Based Satellite Modem Termination System</u> for which application(s) for patent in the United States of America was filed on <u>(Herewith)</u> (also known as United States Application No. <u>(To Be Assigned)</u>), (Attorney Docket No. <u>1875.5520001</u>), 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 non-provisional applications, continuing (continuation, divisional, or continuation-in-part) 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 non-provisional, 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.

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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 non-provisional, continuing (continuation, divisional, or continuationin-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 Jeffrey DeRoy Wheeler, Registration No. 39,066; Noel Benjamin Whitley, Registration No. 42,225; and Harry Shannon Tyson, Jr., Registration No. 42,193, of BROADCOM CORPORATION, 16215 Alton Parkway, Irvine, CA 92618-3616, and Robert Greene Sterne, Esq., Registration No. 28,912; Edward J. Kessler, Esq., Registration No. 25,688; Jorge A. Goldstein, Esq., Registration No. 29,021; David K.S. Cornwell, Esq., Registration No. 31,944; Robert W. Esmond, Esq., Registration No. 32,893; Tracy-Gene G. Durkin, Esq., Registration No. 32,831; Michele A. Cimbala, Esq., Registration No. 33,851; Michael B. Ray, Esq., Registration No. 33,997; Robert E. Sokohl, Esq., Registration No. 36,013; Eric K. Steffe, Esq., Registration No. 36,688; Michael Q. Lee, Esq., Registration No. 35,239; Steven R. Ludwig, Esq., Registration No. 36,203; John M. Covert, Esq., Registration No. 38,759; Linda E. Alcorn, Esq., Registration No. 39,588; Lawrence B. Bugaisky, Esq., Registration No. 35,086; Donald J. Featherstone, Esq., Registration No. 33,876; Robert C. Millonig, Esq., 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; Patrick E. Garrett, Esq., Registration No. 39,987; Jeffrey Helvey, Registration No. 44,757; Heidi L. Kraus, Registration No. 43,730; Eldora Ellison, Registration No. 39,967; Thomas C. Fiala, Registration No. 43,610; 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.

Date: 3/18/2005 Signature of Inventor:

RECORDED: 03/29/2005

Signature of Inventor:

Jen-Chieh CHIEN

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