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

1. Name of conveying party(ies):
Todd L. BROOKS
MED
9-12-01
Additional name(s) of conveying party(ies) attached? yes no

2. Name and address of receiving party(ies):
Name: **Broadcom Corporation**
Street Address: **16215 Alton Corporation**
City: **Irvine** State: **CA** Zip Code: **92618-3616**
Country: **U.S.A.**
Additional name(s) & address(es) attached? yes no

JC997 U.S. PTO
09/949816
09/12/01

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: **September 12, 2001**

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
September 12, 2001
A. Patent Application No(s). **09949816**
(to be assigned)
(Attorney Docket No. 1875.0920001)

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 Patrick E. Garrett**
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**
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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.
Patrick E. Garrett _____
Name of Person Signing Signature Date
Registration No.
Total number of pages including cover sheet, attachments and document **3**

Mail documents to be recorded with required cover sheet information to:
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PAUSERS\unbennett\pGarrett\1875\0920001 assignment cov or sheet

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**PATENT
REEL: 012157 FRAME: 0684**

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: Todd L. BROOKS, the undersigned inventor hereby sells and assigns to Broadcom Corporation having a place of business at 16215 Alton Parkway, Irvine, CA 92618-3616 (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 Methods and Systems for Digital Dither for which application for patent in the United States of America has been executed by the undersigned on ✓ (also known as United States Application No. (to be assigned), filed herewith, Attorney Docket Number 1875.0920001), 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 agrees 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 agrees 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 hereby represents 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 hereby grants 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,

Docket Number: 1875.0920001

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; 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 on the date opposite his/her name.

Date: 9/12/01 Signature of Inventor: Todd L. Brooks
Todd L. BROOKS