Street Address: P.O. Box 160727 Street Address: P.O. Box 160727 City: Austin State: TX Zip: 78716-0727 ONOT USE THIS SPACE 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. Bruce E. Garlick Name of Person Signing Mathing	1 ⁶ ОВМ РТО-1595 RE 03-05-	EET U.S. DEPARTMENT OF COMMERCE
To the Honorable Commissioner of Patents 102000906 .hed original documents or copy thereof Name of conveying party(ies): Patents Patents Patents Price Digred Patents Patents Patents Patents Additional name(s) of conveying party(ies): Patents Patents <td>Atty. Docket No. BP 1960</td> <td></td>	Atty. Docket No. BP 1960	
Name of conveying partyles): 2. Name and address of receiving partyles): Bach Trachewsky 2. Name and address of receiving partyles): Additional name(s) of conveying partyles) attached? :: yes = no 2. Name and address of receiving partyles): Additional name(s) of conveying partyles) attached? :: yes = no Internal Address: 3. Nature of conveying partyles) attached? :: yes = no Street Address: 4. Assignment :: Change of Name Cher Change of Name Additional number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: February 12, 2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? :: Yes = No 5. Name and address: Garlick, Harrison & Markison, LLP 7. Total fee (37 C.F.R. 3.41) Street Address:: Earliek 1 Internal Address:: P.O. Box 160727 Chirs Augilizate copy of this page if paying by deposit account 8. Deposit account number: Chirs Augilizate copy of this page if paying by deposit account 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. Pater Signature February 15, 2002 Name of Pasons Sig		
Jason Trachewsky Additional name(s) of conveying partyles) attached? :: yes = no Additional name(s) of conveying partyles) attached? :: yes = no 3. Nature of conveyance: • Assignment · Change of Name Change of name(s) & address(es) attached? Tes = No Change of Name Change Chan		
3. Nature of conveyance: Assignment Change of Name Security Agreement Change of Name Other Street Address: I6215 Alton Parkway City: Invine State: California Zip: 92618-7013 Country: United States Additional number(s) & address(es) attached? If Yes No 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: February 12, 2002 A. Patent Application No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) S. Name and address of party to whom correspondence		Name: Broadcom Corporation
Assignment Generation Street Address: 16215 Alton Parkway City: Invine State: California Zio: 92618-7013 Concerning document is being filed together with a new application, the execution date of the application is: February 12, 2002 A. 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: February 12, 2002 A. Patent Application No.(s) B. Patent No.(s) Additional number of applications and patents involved: Name: Bruce E. Garlick Internal Address: Garlick, Harrison & Markison, LLP Street Address: P.O. Box 160727 City: Austin Street Address: D.O. Box 160727 DO NOT USE THIS SPACE 9. Statement and signature. To the bast of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. DO NOT USE THIS SPACE	Additional name(s) of conveying party(ies) attached? □ yes ■ no	Internal Address:
City: Invine State: California Zip: 92618-7013 Country: United States Country: United States Country: United States Country: United States Additional name(s) & address(es) attached? Ures = No Execution Dates: February 12, 2002 A. 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: February 12, 2002 A. Patent Application No.(s) B. Patent No.(s) Additional number of applications and patents involved	3. Nature of conveyance:	
Execution Dates: February 12, 2002 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: February 12, 2002 A. Patent Application No.(s) B. Patent No. (s) Additional numbers attached? If Yes = No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: Name: Bruce E. Garlick 1 Internal Address: Garlick, Harrison & Markison, LLP 7. Total fee (37 C.F.R. 3.41) \$ 40.00 Street Address: P.O. Box 160727 Child in tumber: \$ 40.00 City: Authorized to be charged to deposit account 8. Deposit account number: City: Authorized to be charged to deposit account 8. Deposit account number: City: Authorized copy of this page if paying by deposit account) 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. Bruce E. Garlick Markie Supervisition Signing February 15, 2002 Name of Person Signing Signature Total number of pages comprising cover sheet:		City: Irvine State: California Zip: 92618-7013 Country: United States
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: February 12, 2002 A. Patent Application No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) Additional numbers attached? □ Yes ■ No S. Name and address of party to whom correspondence concerning document should be mailed: Name: Bruce E. Garlick Internal Address: Garlick, Harrison & Markison, LLP Street Address: P.O. Box 160727 City: Austin Street Address: P.O. Box 160727 City: Austin State: TX Zip: 78716-0727 DO NOT USE THIS SPACE 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. Bruce E. Garlick Name of Person Signing MU/2002 UNELLER 00000259 1007753	□ Other	Additional name(s) & address(es) attached? □ Yes ■ No
If this document is being filed together with a new application, the execution date of the application is: February 12, 2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Image: Second Se	Execution Dates: February 12, 2002	
A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? □ Yes ■ No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved:	4. Application number(s) or patent number(s):	
Additional numbers attached? □ Yes ■ No 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved:	If this document is being filed together with a new application, t	he execution date of the application is: February 12, 2002
5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved:	A. Patent Application No.(s)	B. Patent No.(s)
5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved:	Additional numbers attached? 🗆 Yes 🔳 No	
Name: Bruce E. Garlick Internal Address: Garlick, Harrison & Markison, LLP Street Address: 7. Total fee (37 C.F.R. 3.41) Street Address: P.O. Box 160727 Street Address: P.O. Box 160727 City: Austin State: TX Zip: 78716-0727 DO NOT USE THIS SPACE 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. Bruce E. Garlick Name of Person Signing W1/2002 LINELLER w0000259 1007/653		
Internal Address: Garlick, Harrison & Markison, LLP Street Address: P.O. Box 160727 Street Address: P.O. Box 160727 City: Austin State: TX Zip: 78716-0727 DO NOT USE THIS SPACE 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. Bruce E. Garlick Name of Person Signing W1/2002 LINELLER 0000259 1007653	concerning document should be mailed:	patents involved:
Street Address: P.O. Box 160727 Street Address: P.O. Box 160727 City: Austin State: TX Zip: 78716-0727 DO NOT USE THIS SPACE 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. Bruce E. Garlick Name of Person Signing W01/2002 UNELLER 0000259 10077653	Name: Bruce E. Garlick	
Street Address: P.O. Box 160727 Street Address: P.O. Box 160727 Authorized to be charged to deposit account 8. Deposit account: number: City: Austin State: TX Zip: 78716-0727 DO NOT USE THIS SPACE 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. Bruce E. Garlick Name of Person Signing 3/01/2002 LINUELLER 0000259 10077653	Internal Address: Garlick, Harrison & Markison, LLP	7. Total fee (37 C.F.R. 3.41)\$ 40.00
City: Austin Austin (Attach duplicate copy of this page if paying by deposit account) State: TX Zip: 78716-0727 DO NOT USE THIS SPACE 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. Bruce E. Garlick February 15, 2002 Name of Person Signing Signature 3/01/2002 LINELLER 00000259 10077653 Total number of pages comprising cover sheet:	Street Address: P.O. Box 160727	
State: TX Zip: 78716-0727 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Bruce E. Garlick Name of Person Signing 3/01/2002 LINELLER 00000259 10077653 Total number of pages comprising cover sheet:		8. Deposit account number:
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. Bruce E. Garlick Name of Person Signing 3/01/2002 LINELLER 00000259 10077653 Total number of pages comprising cover sheet:		(Attach duplicate copy of this page if paying by deposit account)
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. Bruce E. Garlick February 15, 2002 Name of Person Signing Signature 3/01/2002 LINELLER 00000259 10077653 Total number of pages comprising cover sheet:	DO NOT USE THIS SPACE	
Name of Person Signing Date 3/01/2002 LINUELLER 00000259 10077653 Total number of pages comprising cover sheet:	To the best of my knowledge and belief, the foregoing information	- A_
3/01/2002 LINUELLER 00000259 10077653		
	3/01/2002 LINUELLER 00000259 10077653	
	4V.0V UP	

٠

PATENT REEL: 012618 FRAME: 0157

ASSIGNMENT for Patent Application

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) Eric Ojard and Jason Trachewsky, the undersigned inventor(s) hereby sell(s) and assign(s) to Broadcom Corporation, a California corporation having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-7013 (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 et seq.). \boxtimes and throughout the world.

(a) in the invention(s) known as CARRIER BASED BACKWARDS COMPATIBLE DATA NEWORKING TRANSMITTER, RECEIVER, AND SIGNAL FORMAT (BP 1960) for which application(s) for patent in the United States of America has (have) been executed by the undersigned on $F_{-}L_{-}D_{-}$, 2002 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)



Attorney Docket No. BP 1960

related to the application(s) or any continuing (continuation, divisional, or continuation-inpart), 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): Bruce E. Garlick, Registration No. 36,520, James A. Harrison, Registration No. 40,401, Timothy W. Markison, Registration No. 33,534, and Shayne X. Short, Registration No. 45,105, and Robert C. Strawbrich, Registration No. 36,692; all of Garlick, Harrison & Markison, ILP, P.O. Box 160727, Austin, Texas 78716-0727, 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: 2-12-2007 Eric Ojard: Date: Jason Trachewsky: