# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

# **CONVEYING PARTY DATA**

Name	Execution Date
Daniel H. Howard	01/20/2005
Niki R. Pantelias	01/28/2005
David M. Pullen	01/26/2005
John D. Horton Jr.	01/26/2005
Thomas J. Quigley	02/02/2005
Richard S. Prodan	02/01/2005

# **RECEIVING PARTY DATA**

Name:		
Street Address:		
City:	Irvine	
State/Country:	CALIFORNIA	
Postal Code:	92618-3616	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10936711

## **CORRESPONDENCE DATA**

Fax Number: (202)371-2540

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 202-371-2600
Email: kendrick@skgf.com

Correspondent Name: Sterne, Kessler, Goldstein & Fox PLLC

Address Line 1: 1100 New York Avenue NW

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005-3934

NAME OF SUBMITTER: Kendrick P. Patterson, #45,321

Total Attachments: 6

PATENT REEL: 015704 FRAME: 0756

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> PATENT REEL: 015704 FRAME: 0757

#### 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) Daniel H. Howard, (2) Niki R. Pantelias, (3) David M. Pullen, (4) John D. Horton, Jr., (5) Tom Quigley, and (6) Richard S. Prodan, 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 **Downstream Synchronous Multichannels for a**Communications Management System for which application(s) for patent in the United States of America has (have) been executed by the undersigned on (1)20 Jan 2005 (2) Jan 2005 (3) 26 Jan 2005 (4) 26 Jan 2005 (5) and (6) (also known as United States Application No. 10/936,711, filed September 9, 2004), 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)

Page 1 of 2

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, Registration No. 37,550, 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, 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; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, 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. Garrett, 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 inventor(s) on the date opposite his/her name.

Date: 20 Jan 2005

Signature of Inventor: Daniel H. Howard

Date: 26 Jan 2005

Signature of Inventor: David M. Pullen

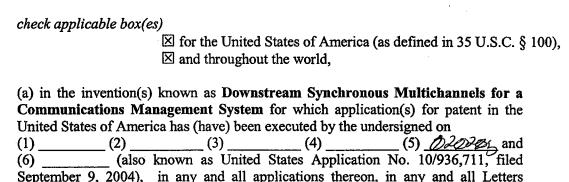
Date: Signature of Inventor: John D. Horton, Jr.

Date: Signature of Inventor: Tom Quigley

Date: Signature of Inventor: Richard S. Prodan

### ASSIGNMENT

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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

Patent(s) therefor, 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;

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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:		Signature of Inventor:	Daniel H. Howard
Date:		Signature of Inventor:	Niki R. Pantelias
Date:		Signature of Inventor:	David M. Pullen
Date:		Signature of Inventor:	John D. Horton, Jr.
Date:	820205	Signature of Inventor:	Tom Quigley
Date:		Signature of Inventor:	Richard S. Prodan

PATENT REEL: 015704 FRAME: 0761

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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 **Downstream Synchronous Multichannels for a Communications Management System** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on
- (1) (2) (3) (4) (5) and (6) 21105 (also known as United States Application No. 10/936,711, filed September 9, 2004), 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
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Date:		Signature of Inventor:	
			David M. Pullen
Date:		Signature of Inventor:	
			John D. Horton, Jr.
Date:		Signature of Inventor:	
			Tom Quigley
	1 1		
Date:	2/1/2005	Signature of Inventor:	Ruhay & Trodas
			Richard S. Prodan