

FORM PTO-1619A  
expires 06/30/99  
omb 0651-0027

02-25-2004

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**



102679497

2-17-04

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17497 U.S. PTO  
10/779838



021704

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10/779838

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Name (line 2) \_\_\_\_\_

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U.S. Department of Commerce  
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PATENT

Correspondent Name and Address Area Code and Telephone Number (512) 228-3611

Name (line 1) Robert A. McLauchlan

Name (line 2)

Address P. O. Box 160727

Address Austin TX 78716-0727  
City State/Country Zip Code

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Application Number(s) or Patent Number(s)  Mark if additional numbers attached  
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Patent Application Number(s)

Patent Numbers

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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. 2/13/2004

Patent Cooperation Treaty (PCT) PCT  PCT  PCT   
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Number of Properties Enter the total number of properties involved. # 1

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 540.00

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Robert A. McLauchlan

2/17/2004

Name of Person Signing

Signature

Date

Attorney Docket No.: BP 2970, 1

**ASSIGNMENT**  
*RICHARD A.*

This Assignment is made by ~~Rick~~ *Richard A.* / Bye of Rancho Santa Margarita, California (hereinafter referred to as "Assignor").

WHEREAS, assignor has invented a new and useful invention entitled DYNAMIC REAL-TIME QUALITY MANAGEMENT OF PACKETIZED COMMUNICATIONS IN A NETWORK ENVIRONMENT for which an application for united states letters patent is made, said application being filed with the U.S. patent and trademark office concurrently herewith; and

WHEREAS, Assignor believe himself to be the original inventor of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, the parties desire to have a recordable instrument assigning the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said inventions in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the invention and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor sells, assigns, and transfers to BROADCOM CORPORATION, a California Corporation (hereinafter referred to as "Assignee"), the entire right, title, and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignor agrees that, upon request and without further compensation, but at no expense to Assignor, he and/or his legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignor represents and warrants that he has not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignor authorizes and requests the Assistant Commissioner for Patents of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether

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on said application or on any subsequently filed divisional, continuation, continued prosecution application or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date provided below.

FULL NAME OF FIRST INVENTOR:	<del>Rick Bye</del> RICHARD A - BYE
INVENTOR'S SIGNATURE:	<del>Richard A. Bye</del>
DATE:	2/13/04
RESIDENCE:	Rancho Santa Margarita, CA
CITIZENSHIP:	<del>US</del> UK
POST OFFICE ADDRESS:	29 VIA VILLARDO Rancho Santa Margarita, CA