



To the Honorable Commissioner of Patents and Trademarks,

...ents or copy thereof.

65-1-8
CWO

1. Name of conveying party(ies):

Rajesh G. Nair
Gerry Ryan
Farivar Farzaneh

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: 1/14/99

2. Name and address of receiving party(ies):

Name: Bay Networks, Inc.

Internal Address: _____

Street Address: 4401 Great America Parkway

City Santa Clara State CA ZIP 95052

Additional name(s) & address(es) attached? 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: _____

A. Patent Application No.(s)

B. Patent No.(s)

09/176,055

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, LLP

Internal Address: _____

Street Address: 12400 Wilshire Blvd.

Seventh Floor

City: Los Angeles State: CA ZIP: 90025

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 02-2666

(Attach duplicate copy of this page if paying by deposit account)

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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.

David R. Halvorson, Reg No 33,395

Name of Person Signing

Signature

Date

Total number of pages comprising cover sheet, attachments, and document:

3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignment
Washington, D.C. 20231

No.: 082771.P224 (For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, Rajesh G. Nair, Gerry Ryan, Farivar Farzaneh,
the undersigned, we

hereby sell, assign, and transfer to Bay Networks, Inc.
a corporation of Delaware, having a principal place of business at
4401 Great America Parkway, Santa Clara, California 95052, ("Assignee"),
and its successors, assigns, and legal representatives, the entire right, title, and interest for the
United States and all foreign countries, in and to any and all improvements that are disclosed in
the application for the United States patent that was filed October 20, 19 98 and assigned
Application No. 09/176,055 and is entitled

Symbol Based Algorithm for Hardware Implementation of Cyclic Redundancy Check

and in and to said application and all divisional applications, continuation applications,
continued prosecution applications, continuation-in-part applications, substitute applications,
renewal applications, reissue applications, reexaminations, extensions, and all other patent
applications that have been or shall be filed in the United States and all foreign countries on
any of said improvements; and in and to all original patents, reissued patents, reexamination
certificates, and extensions that have been or shall be issued in the United States and all
foreign countries on said improvements; and in and to all rights of priority resulting from the
filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said
improvements in its own name; and that, when requested, without charge to, but at the
expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in
good faith the intent and purpose of this Assignment, the undersigned will execute all divisional
applications, continuation applications, continued prosecution applications, continuation-in-part
applications, substitute applications, renewal applications, reissue applications, reexaminations,
extensions, and all other patent applications on any and all said improvements; execute all
rightful oaths, assignments, powers of attorney, and other papers; communicate to said
Assignee, its successors, assigns, and representatives all facts known to the undersigned
relating to said improvements and the history thereof; and generally assist said Assignee, its
successors, assigns, or representatives in securing and maintaining proper patent protection
for said improvements and for vesting title to said improvements, and all applications for
patents and all patents on said improvements, in said Assignee, its successors, assigns, and
legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no
assignment, grant, mortgage, license, or other agreement affecting the rights and property
herein conveyed has been made to others by the undersigned, and that full right to convey the
same as herein expressed is possessed by the undersigned.

Date: 1-14-, 19 99 Rajesh G. Nair

Name: Rajesh G. Nair

Date: 1-14, 19 99 Gerry Ryan

Name: Gerry Ryan

Date: Jan 14, 19 99 Farivar Farzaneh

Name: Farivar Farzaneh

Date: _____, 19 ____

Name:

Date: _____, 19 ____

Name:

Date: _____, 19 ____

Name: