01-09-2002 Form PTO-1595 RECOR S. DEPARTMENT OF COMMERCE (Rev. 03/01) U.S. Patent and Trademark Office 101937512 OMB No. 0651-0027 (exp. 5/31/2002) To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Name: Redback Networks Inc. Gerald W. Neufeld Internal Address: Additional name(s) of conveying party(ies) attached? Yes X No 3. Nature of conveyance: Merger Assignment Street Address: 250 Holger Way Change of Name Security Agreement City: San Jose State: CA Zip: 95134 Execution Date: October 29, 2001 Additional name(s) & address(es) attached? Yes X 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:_____ B. Patent No.(s) A. Patent Application No.(s) 09/823,480 Additional numbers attached? Yes X No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence

7. Total fee (37 CFR 3.41).....\$_40.00 Name: Gregg A. Peacock ▼ Enclosed Internal Address:______ Authorized to be charged to deposit account Blakely Sokoloff Taylor & Zafman LLP 8. Deposit account number: Street Address: 12400 Wilshire Boulevard 02-2666 Seventh Floor (Attach duplicate copy of this page if paying by deposit account) City: Los Angeles State: CA Zip: 90025

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy

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concerning document should be mailed:

Gregg A. Peacock, Reg. No. 45,001

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

Atty. Dkt. No.: 004906.P002

01/07/2002 TDIAZ1 00000164 09823480

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PATENT REEL: 012420 FRAME: 0019

ASSIGNMENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby	
acknowledged, we	
the undersigned, David Stiles and Gerald W. Neufeld	
hereby sell, assign, and transfer to Redback Networks Inc. a corporation of Delaware,	
having a principal place of business at <u>250 Holger Way, San Jose, California 95134</u>	
("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 March 30, 2001	
and assigned Application No. 09/823,480 and is entitled:	

METHOD AND APPARATUS FOR SWITCHING DATA OF DIFFERENT PROTOCOLS

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.

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Serial No.:09/823,480

RECORDED: 01/03/2002

BSTZ Docket No.: 04906.P002

PATENT REEL: 012420 FRAME: 0020