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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks, U.S. Patent and Trademark Office, attached original documents or copy thereof.

1. Name of conveying party(ies):

Edmund G. Chen

Ranjit Rozario

Ranikrishna Cherukuri

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

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

Execution Date: March 15, 2002

2. Name and address of receiving party(ies)

Name: Redback Networks, Inc.

Internal Address: _____

Street Address: 300 Holger WayCity: San Jose State: CA Zip: 95134Additional 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)

10/032,729

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Justin M. Dillon

Internal Address: _____

Street Address: Blakely Sokoloff Taylor & Zafman LLP12400 Wilshire Boulevard, Seventh FloorCity: Los Angeles State: California Zip: 90025-10306. Total number of applications and patents involved: ☒ 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed (Check No, 02341)☐ Authorized to be charged to deposit account

8. Deposit account number:

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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.*Justin M. Dillon Reg. No. 42,486

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: ☒ 3

Mail documents to be recorded with required cover sheet information to:

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

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We the undersigned:

Edmund G. Chen, Ranjit Rozario, and Ravikrishna Cherukuri

hereby sell, assign, and transfer to:

Redback Networks, Inc.

a corporation of Delaware, having a principal place of business at 300 Holger Way, San Jose, California 95134, ("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 December 28, 2001 and assigned Application No. 10/032,729 and is entitled:

METHOD AND APPARATUS FOR REPLICATING PACKET DATA WITHIN A NETWORK ELEMENT

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

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