

02-04-2002

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FORM PTO-1595  
(Rev. 3/01)  
OMD NO. 0651-0011 exp. 5/31/2002

101969612

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Siegfried Luft**  
**Gerald Neufeld**  
**David Stiles**

Additional name(s) of conveying party(ies) attached?

No  Yes

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

Name: Redback Networks Inc.

Internal Address: \_\_\_\_\_

Street Address: 250 Holger Way

City: San Jose State/Provence: CA Zip: 95123

Country: United States

Additional name(s) & address(es) attached?  Yes  No

3. Nature of Conveyance

- Assignment  Merger
- Security Agreement  Change of Name
- Other: Nunc Pro Tunc Assignment

Execution Date(s): 10/25/2001, 10/29/2001, 10/24/2001

4. Application Number(s) or patent number(s):

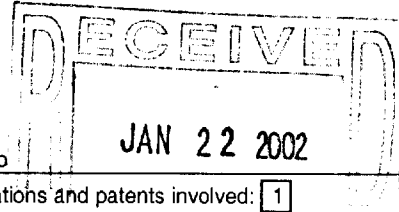
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

**09/887,957**

B. Patent No.(s)

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: Daniel M. DeVos  
Street Address: 12400 Wilshire Boulevard, 7<sup>th</sup> Floor  
City: Los Angeles State: California Zip: 90025

6. Total number of applications and patents involved:

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)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document*

Daniel M. DeVos

Name of Person Signing

Signature

12/21/01

Date

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

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

02/04/2002 LMUELLER 00000042 09887957

Assistant Commissioner of Patents, Box Assignments  
Washington, D.C. 20231

01 FC:581

40.00 DP

Atty Docket No. 4906P028

**PATENT**  
**REEL: 012525 FRAME: 0747**

**NUNC PRO TUNC  
ASSIGNMENT**

Attorney's Docket  
No.: 4906P028

PATENT

This Nunc Pro Tunc Assignment is effective the 13<sup>th</sup> day of June, 2001 by and between the below-identified Assignor and Assignee.

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, Siegfried Luft  
hereby sell, assign, and transfer to Redback Networks Inc.  
a corporation of Delaware, having a principal place of business at  
250 Holger Way, San Jose, California 95134, ("Assignee"),  
and its successors, assigns, and legal representatives, my/our 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 United States patent

that has been executed by the undersigned concurrently herewith,

that was filed June 22, 2001 and assigned Application No. 09/887,957

and is entitled METHOD AND APPARATUS FOR A HYBRID VARIABLE RATE PIPE

effective June 13, 2001, 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, effective June 13, 2001; and

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, effective June 13, 2001; 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: OCT 25, 2001

  
Name: Siegfried Luft

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8300

**NUNC PRO TUNC  
ASSIGNMENT**

Attorney's Docket  
No.: 4906P028

PATENT

This Nunc Pro Tunc Assignment is effective the 22nd day of May, 2001 by and between the below-identified Assignor and Assignee.

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, Gerald Neufeld  
hereby sell, assign, and transfer to Redback Networks Inc.  
a corporation of Delaware, having a principal place of business at  
250 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 United States patent

that has been executed by the undersigned concurrently herewith,

that was filed June 22, 2001 and assigned Application No. 09/887,957

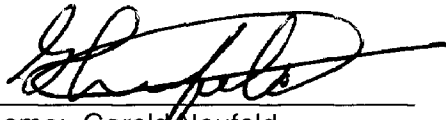
and is entitled METHOD AND APPARATUS FOR A HYBRID VARIABLE RATE PIPE

effective May 22, 2001, 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, effective May 22, 2001; and

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, effective May 22, 2001; 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: Oct 29, 20 01



Name: Gerald Neufeld

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: \_\_\_\_\_

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8300

**NUNC PRO TUNC  
ASSIGNMENT**

Attorney's Docket  
No.: 4906P028

PATENT

This Nunc Pro Tunc Assignment is effective the 4th day of June, 2001 by and between the below-identified Assignor and Assignee.

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, David Stiles,  
hereby sell, assign, and transfer to Redback Networks Inc.  
a corporation of Delaware, having a principal place of business at  
250 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 United States patent

that has been executed by the undersigned concurrently herewith,

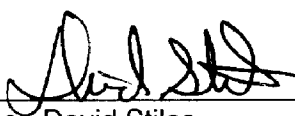
that was filed June 22, 2001 and assigned Application No. 09/887,957

and is entitled METHOD AND APPARATUS FOR A HYBRID VARIABLE RATE PIPE

effective June 4, 2001, 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, effective June 4, 2001; and

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, effective June 4, 2001; 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: October 24, 2001   
Name: David Stiles

Date: \_\_\_\_\_, 20\_\_\_\_  
Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20\_\_\_\_  
Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20\_\_\_\_  
Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20\_\_\_\_  
Name: \_\_\_\_\_

Date: \_\_\_\_\_, 20\_\_\_\_  
Name: \_\_\_\_\_

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