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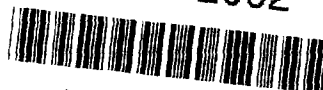
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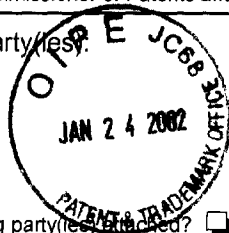
U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

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

## 1. Name of conveying party(ies):

Pronita Mehrotra

Paul D. Franzon



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

Name: North Carolina State University

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

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

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Street Address: 2401 Research DriveSuite 1122City: Raleigh State: NC Zip: 27695Execution Date: December 12, 2001Additional 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)

09/981,858

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Gregory A. Hunt

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

Street Address: Suite 1400 University Tower3100 Tower BoulevardCity: Durham State: NC Zip: 277076. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(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.*Gregory A. Hunt

Name of Person Signing

Gregory A. Hunt  
Signature12-17-01

Date

Total number of pages including cover sheet, attachments, and documents

14

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

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Washington, D.C. 20231

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PATENT  
REEL: 012517 FRAME: 0134

PATENT

Atty. Docket No.: 297/144/2

ASSIGNMENT

WHEREAS, we, Pronita Mehrotra, City of Raleigh, State of North Carolina, and Paul D. Franzon, City of Holly Springs, State of North Carolina (hereinafter "Assignor"), have invented certain new and useful improvements in METHODS AND SYSTEMS FOR FAST PACKET FORWARDING for which Application for a Letters Patent of the United States was made on October 18, 2001 as Serial No. 09/981,858

AND, WHEREAS, North Carolina State University, a corporation duly organized and existing under the laws of the State of North Carolina, having its principal office and place of business at 2401 Research Drive, Suite 1122, Raleigh, North Carolina, 27695, (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold and by these presents does hereby sell, assign, transfer and convey unto the said Assignee, its successors and assigns, his entire right, title and interest in and to the said invention and application, and in and to any and all foreign patent applications filed on the invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with his right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made.

Assignor hereby requests that said Letters Patent be issued in accordance with this assignment.

Assignor further covenants and agrees that, at the time of the execution and delivery of these presents, Assignor possesses full title to the invention and application above-mentioned, and that he has the unencumbered right and authority to make this assignment.

Assignor further covenants and agrees, and likewise bind his heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to him relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 6<sup>th</sup> day of NOVEMBER, 2001.

Pronita Mehrotra  
Pronita Mehrotra

Witnessed by:

Jeffrey Bissett 11/6/01  
Name Date

Wendy Lotz 11-06-01  
Name Date

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
Paul D. Franzon

Witnessed by:

\_\_\_\_\_  
Name Date

\_\_\_\_\_  
Name Date

Assignor further covenants and agrees, and likewise bind his heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to him relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 6<sup>th</sup> day of NOVEMBER, 2001.

  
Pronita Mehrotra

Witnessed by:


 11/6/01  
Name Date

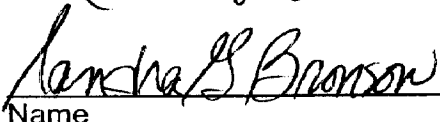
 11-06-01  
Name Date

Executed this 12 day of December, 2001.

  
Paul D. Franzon

Witnessed by:

 12/4/01  
Name Date

 12/4/01  
Name Date