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Sheet 1 of 2

FORM PTO 1595
1-31-92

DEPARTMENT OF COMMERCE
Patent and Trademark Office



To the Honorable Commissioner of Patents and Trademarks

1. Name and Address of Conveying Party(ies) ALL INDIVIDUALS

Shantnu (nmi) Sharma
23 davis road, Apt. A11
Acton, Middlesex County, MA 01720

Individual Citizenship: India

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

102614737

Name: Fujitsu Network Communications, Inc.
Internal Address: 2801 Telecom Parkway
Street Address: 2801 Telecom Parkway
City: Richardson
State: Texas Zip: 75082

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: August 20, 2003; August 4, 2003; August 4, 2003

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): 10/607,442

B. Patent No.(s):
Additional Numbers Yes No

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

Name: Barton E. Showalter
Internal Address: BAKER BOTTS L.L.P.
Street Address: 2001 Ross Avenue, Suite 600
City: Dallas
State: Texas Zip 75201-2980

6. Total number of application and patents involved: One

7. Total Fee (37C.F.R. 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.

Bradley P. Williams
Reg. No. 40,227

November 24, 2003
Date

Total number of pages including cover sheet

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Director - U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

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PATENT
REEL: 014745 FRAME: 0663

FORM PTO-1595
ATTACHMENT

1. **Name of Conveying Parties – Continued – ALL INDIVIDUALS**

Snigdho C. Bardalai
3216 Duval Drive
Plano, Collin County, Texas 75025
Citizenship: India

Edward Alton Harbin
7816 El Pastel St.
Dallas, Dallas County, Texas 75248
Citizenship: United States of America

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Fujitsu Network Communications, Inc. (hereinafter referred to as "Assignee"), a California Corporation, with an address of 2801 Telecom Parkway, Richardson, Texas 75082, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One United States Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

We also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Shantz

Title of Invention:

**METHOD AND SYSTEM FOR
MULTICASTING DATA PACKETS
IN AN MPLS NETWORK**

Signature of Inventor:

Shantanu Sharma

Inventor's Name:

Shantanu (nmi) Sharma

Residence (City, County, State)

23 davis road, Apt. A11
Acton, Middlesex County, MA 01720

Date:

NOV 24, 2003

Date Application Executed:

Shane initialed all pages

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Signature of Inventor:

Inventor's Name:

Snigdho C. Bardalai

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3216 Duval Drive
Plano, Collin County, Texas 75025

Date:

8/4/2003

Date Application Executed:

August 4, 2003

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Signature of Inventor:



Inventor's Name:

Edward Alton Harbin

Residence (City, County, State)

7816 El Pastel St.
Dallas, Dallas County, Texas 75248

Date:

August 4 / 2003

Date Application Executed:

August 4, 2003