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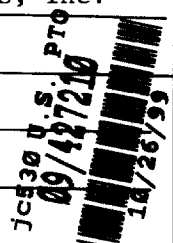
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)  
 Steve N. Barbas  
 Michael J. Homberg

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

2. Name and address of receiving party(ies)  
 Name: Fujitsu Network Communications, Inc.  
 Internal Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Street Address: 2801 Telecom Parkway  
 \_\_\_\_\_  
 City: Richardson State TX Zip 75082

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



3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: October 22, 1999 respectively

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: October 22, 1999

A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) \_\_\_\_\_

09/427/210 Additional numbers attached?  Yes  No MRD 10-26-99

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Weingarten, Schurgin, Gagnebin & Hayes LLP  
 Ten Post Office Square  
 Boston, Massachusetts 02109

6. Total number of applications and patents involved: (1)

7. Total fee (37 CFR 3.41).....\$ 40.00  
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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.*

David A. Dagg 37,809 David A. Dagg October 26, 1999  
 Name of Person Signing Registration No. Signature Date

Total number of pages including cover sheet, attachments, and document: 4

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PATENT  
REEL: 010346 FRAME: 0908

**A S S I G N M E N T**

In consideration of One Dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, we, Steve N. Barbas, residing at 30 Queensland Road, Billerica, MA 01862, Richard Paul Bouley, residing at 72 Carroll Street, Watertown, MA 02472, Mark Edward Christensen, 24 Hillandale Road, Ashburnham, MA 01430, Brian O'Neil Gannon, residing at 18 Bigelow Street, Cambridge, MA 02139 and Michael J. Homberg, residing at 203 West Main Street, Westborough, MA 01581 hereby sell and assign to FUJITSU NETWORK COMMUNICATIONS, INC., a California corporation, having a principal place of business at 2801 Telecom Parkway, Richardson, Texas 75082, its successors and assigns, the entire right, title and interest, including the right to claim priority under the International Convention, throughout the United States, its territories and all foreign countries in and to our invention(s) in

**FRAME RELAY METHODS AND APPARATUS**

and the United States Provisional Patent Application therefor filed on October 27, 1998, Application No. 60/105,825, and any such later filed patent applications that depend upon such Provisional Application for priority and all divisions, reissues, continuations and continuations-in-part of any such patent applications and such patents that issue thereon.

And we hereby covenant that we have full right to make such assignment, and agree for ourselves and our executors and administrators that we will, at the expense of said FUJITSU NETWORK COMMUNICATIONS, INC., execute all applications for domestic and foreign patents including divisional, continuation, continuation-in-part, reissue and re-examination applications thereof, make all rightful oaths, sign all lawful papers, testify in any proceeding in which said invention or any application or patent directed thereto may be involved, and generally do everything possible to aid said FUJITSU NETWORK COMMUNICATIONS, INC., its successors and assigns, to obtain and enforce proper patent protection for said invention(s) in the United States, its territories and all foreign countries.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all United States Patents on inventions claiming priority of such Provisional Patent Application to FUJITSU NETWORK COMMUNICATIONS, INC., its successors and assigns.



IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

\_\_\_\_\_  
Mark Edward Christensen  
Commonwealth of Massachusetts )  
County of ) ss.  
)

Date:\_\_\_\_\_

Subscribed and sworn to before me by the above-named Mark Edward Christensen this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

(Seal)

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

\_\_\_\_\_  
Brian O'Neil Gannon  
Commonwealth of Massachusetts )  
County of Middlesex ) ss.  
)

Date:\_\_\_\_\_

Subscribed and sworn to before me by the above-named Brian O'Neil Gannon this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Notary Public

My Commission Expires:  
\_\_\_\_\_

(Seal)

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our

seals.

Michael J. Homberg  
Michael J. Homberg

Date: 10/22/99

Commonwealth of Massachusetts )  
County of ) ss.  
)

Subscribed and sworn to before me by the above-named Michael J. Homberg this 22 day of October, 1999.

Rita H. Collins  
Notary Public

My Commission Expires:

Feb. 11, 2005

(Seal)