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FORM PTO 1595



DEPARTMENT OF COMMERCE
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RECORDATION FORM
PATENTS C

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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)

Mark K. Culotta
Mark F. Childs
Jeffrey D. Wise
Stephen C. Miller

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

2. Name and address of receiving party(ies)

Name: FUJITSU NETWORK COMMUNICATIONS, INC.

Street Address: 2801 Telecom Parkway

City: Richardson State: Massachusetts Zip 75082

Country: USA

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

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other

Execution Date: 7/19/00, 7/18/00, 8/21/00, and 8/17/00, respectively

4. Application number(s) or patent number(s): 09/590,230 MRD 10-2-00

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

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

Additional numbers attached? Yes No

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 (11)

7. 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)

10/17/2000 WITHIN 00000225 09590230 DO NOT USE THIS SPACE

01 EC 501 Statement and signature 40.00 UP

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.

Attorney name: David A. Dagg
Registration No. 37,809

Signature: David A. Dagg Date: September 28, 2000

Total number of pages including cover sheet, attachments, and document: [6]

PATENT

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 Mark K. Culotta, residing at 449 Main Street, Townsend, MA 01474, Mark F. Childs, residing at 39 Russell's Way, Westford, MA 01886, Jeffrey L. Wise, residing at 151 Willow Street, Acton, MA 01720, and Stephen C. Miller residing at 150 Flavell Road, Groton, MA 01450; 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

INTEGRATED MULTIPLE SERVICES SWITCH TESTING SYSTEM

and the United States Letters Patent therefor filed June 8, 2000, Application No. 09/590,230, and any such patents as may issue thereon, and all divisions, reissues and continuations thereof.

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 patents in foreign countries, execute all divisional, continuing, reissue and re-examination applications, 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 Letters

Patent on said invention or resulting therefrom to FUJITSU NETWORK COMMUNICATIONS, INC., its successors and assigns.

We, the inventors, signing below, hereby authorize and request our attorney to insert above, the filing date and application serial number when they become known.

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

Mark K. Culotta
Mark K. Culotta

Date: 7/19/2000

Rita M. Collins
Witness (Please sign)

Date: 7-19-2000

Rita M. Collins
Witness (Please Print Name)

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

Mark F. Childs
Mark F. Childs

Date: 7/18/2000

Rita M. Collins
Witness (Please sign)

Date: 7/18/2000

Rita M. Collins
Witness (Please Print Name)

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

Jeffrey L. Wise

Date: _____

Witness (Please sign)

Date: _____

Witness (Please Print Name)

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

Step C Miller
Stephen C. Miller

Date: 8/17/2000

[Signature]
Witness (Please sign)

Date: 8/17/00

KIRK S. ANDERSON
Witness (Please Print Name)

327611

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

Jeffrey L. Wise
Jeffrey L. Wise

Date: Aug 21, 2000

Rita M Collins
Witness (Please sign)

Date: Aug 21, 2000

Witness (Please Print Name)

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

Stephen C. Miller

Date: _____

Witness (Please sign)

Date: _____

Witness (Please Print Name)

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