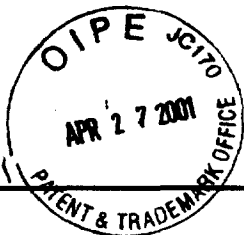


05-03-2001



101700109

Docket No: RIC-00-033


**RECORDATION FORM COVER SHEET
PATENTS ONLY**

 U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party:

1. Dave McDysan
2. Howard Lee Thomas
3. Lei Yao

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

 Name: WorldCom, Inc.
 Address: 515 East Amite Street
 City: Jackson State: MS
 Country: U.S.A. ZIP: 39201

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

 Execution Date: 1. 01/17/01
 2. 12/22/00
 3. 01/17/01

 Additional name(s) & address(es) ☐ yes ☒ no

4. Application number(s) or registration number(s):

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

 A. (Patent Application No.
09/723,482

 Filing Date
11/28/00

B. Patent No.(s)

 Additional numbers ☐ yes ☒ no

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

 Name: Paul A. Roberts
 Registration No.: 40,289
 Address: WorldCom, Inc.
Law & Public Policy, Technology Law Dept
1133 19th Street, NW
 City: Washington State: D.C.
 Country: U.S.A. ZIP: 20036
6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40.00

- ☐ Enclosed – Any excess or insufficiency credited or debited to deposit account
☒ Authorized to be charged to deposit account

8. Deposit account number: 13-2491

DO NOT USE THIS SPACE

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.

Paul A. Roberts
 Name of person signing

Paul A. Roberts
 signature

4/26/01
 date

 Total number of pages including cover sheet, attachments, and 3

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, do hereby sell, assign, and transfer to: WORLDCOM, Inc., a corporation of Georgia, having offices at 515 East Amite Street, Jackson, MS 39201, ("Assignee"), 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 which are described in the application for United States Letters Patents,

- ☐ Which has been executed by the undersigned concurrently herewith,
☒ Which was filed on November 28, 2000 and assigned Serial No. 09/723,482

and is entitled:

Network Access System Including A Programmable Access Device Having Distributed Service Control

and in to said application and all divisional, continuing, substitute, renewal, reissue, and all other application for Letters Patents which 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 and reissued patents which have been or shall be issued in the United States and foreign countries on said improvements, and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for 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, continuing, substitute, renewal, reissue, and all other patent application 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 undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding 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; and

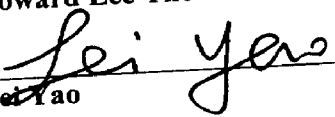
Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Signature: 
Dave McDysan

Date: Jan 17, 2001

Signature: _____
Howard Lee Thomas

Date: _____

Signature: 
Lei Yao

Date: 1/17/2001

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, do hereby sell, assign, and transfer to: WORLDCOM, Inc., a corporation of Georgia, having offices at 515 East Amite Street, Jackson, MS 39201, ("Assignee"), 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 which are described in the application for United States Letters Patents,

- ☐ Which has been executed by the undersigned concurrently herewith,
☒ Which was filed on **November 28, 2000** and assigned Serial No. **09/723,482**

and is entitled:

**Network Access System Including A Programmable
Access Device Having Distributed Service Control**

and in to said application and all divisional, continuing, substitute, renewal, reissue, and all other application for Letters Patents which 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 and reissued patents which have been or shall be issued in the United States and foreign countries on said improvements, and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for 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, continuing, substitute, renewal, reissue, and all other patent application 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 undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding 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; 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.

Signature: _____

Dave McDysan

Date: _____

Signature: _____

Howard Lee Thomas

Date: 12/22/00

Signature: _____

Lei Yao

Date: _____