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| To the Honorable Commissioner of Patents | and Trademarks: Please record the attac | thed original or copy thereof. | |
| Name of conveying party(ies): William D. Croslin | | Name and address of receiving party(ies): Name: MCI WorldCom, Inc. | |
| | Address: <u>515 Ea</u> | | |
| | City: <u>Jackson</u> Country: <u>U.S.A.</u> | State: <u>MS</u> ZIP: <u>39201</u> | |
| Nature of conveyance: Assignment □ Merger Security Agreement □ Change of Nam Other | ne | | |
| Execution Date: 5/19/99 | Additional name(s) & address(e | s) 🗆 yes 🔳 no | |
| Application number(s) or registration null fithis document is being filed together with | | e application is: | |
| Patent Application No. Filing Date 08/774,599 12/30/96 | B. Patent No.(s) | | |
| Ad | ditional numbers □ yes ■ no | | |
| 5. Name and address of party to whom collished concerning documents should be mailed: | rrespondence 6. Total number of a | applications and patents involved: 1 | |
| Name: <u>Albert M. Crowder, Jr.</u> Registration No.: <u>28.063</u> | 7. Total fee | (37 CFR 3.41) <u>\$40.00</u> | |
| Address: MCI Communications Corp Law & Public Policy, Technolog 1133 19 th Street, NW City: Washington State: D.C. | <u>Law Dept</u> credited or c | I – Any excess or insufficiency debited to deposit account ed to be charged to deposit account | |
| Country: U.S.A. ZIP: 20036 | 8. Deposit account i | number: <u>13-2491</u> | |
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| 9. Statement and signature. To the best of my knowledge and belief, the of the original document. // | III to a l | | |
| Albert M. Crowder, Jr. Name of person signing signing | gnature Constr. date | 0May 1999 | |
| V27/1999 NTHAN 00000TB2 132491 08774599 | ges including cover sheet, attachments, and | _2_ | |
| FC:561 40.00 CH \ | | | |

PATENT

REEL: 009974 FRAME: 0082

Patent Docket No.: COS-96-029

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I/We, the undersigned, do hereby sell, assign, and transfer to: MCI 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 12/30/96 and assigned Serial No. 08/774,599 |
|------------------|--|
| and is entitled: | William was fried on 12/30/30 and assigned behalf 140. 00/774,333 |
| | |

METHOD AND SYSTEM OF DISTRIBUTED NETWORK RESTORATION USING PREFERRED ROUTES

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:

William D. Croslin

RECORDED: 05/25/1999

Date: 5/19/199

PATENT

REEL: 009974 FRAME: 0083