

08-27-1998

FORM PTO-1595



U.S. Dept. of Commerce  
Patent and Trademark Office

100803436

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

<p>1. Name of conveying party(ies):</p> <p>William D. Croslin</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>MCI Communications Corporation Technology Department 1133 19th Street, N.W. Washington, D.C. 20036</p> <p>Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment    <input type="checkbox"/> Change of name  <input type="checkbox"/> Merger        <input type="checkbox"/> Security Agreement  <input type="checkbox"/> _____</p> <p>Execution Date: 8/13/98</p>	

JCS88 U.S. PTO  
 09/136034  
 08/19/98

<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: 8/13/98</p> <table style="width: 100%;"> <tr> <td style="width: 50%;"> <p>A. Patent Application No.(s)</p> <p><b>09/136034</b></p> </td> <td style="width: 50%;"> <p>B. Patent No.(s)</p> </td> </tr> </table> <p>Additional number(s) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>A. Patent Application No.(s)</p> <p><b>09/136034</b></p>	<p>B. Patent No.(s)</p>
<p>A. Patent Application No.(s)</p> <p><b>09/136034</b></p>	<p>B. Patent No.(s)</p>		
<p>5. Name and address of party whom correspondence concerning document should be mailed:</p> <p>Technology Department MCI Communications Corporation 1133 19th Street N.W. Washington, D.C. 20036</p>	<p>6. Total number of applications and patents involved <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21 <input type="checkbox"/> 22 <input type="checkbox"/> 23 <input type="checkbox"/> 24 <input type="checkbox"/> 25 <input type="checkbox"/> 26 <input type="checkbox"/> 27 <input type="checkbox"/> 28 <input type="checkbox"/> 29 <input type="checkbox"/> 30 <input type="checkbox"/> 31 <input type="checkbox"/> 32 <input type="checkbox"/> 33 <input type="checkbox"/> 34 <input type="checkbox"/> 35 <input type="checkbox"/> 36 <input type="checkbox"/> 37 <input type="checkbox"/> 38 <input type="checkbox"/> 39 <input type="checkbox"/> 40 <input type="checkbox"/> 41 <input type="checkbox"/> 42 <input type="checkbox"/> 43 <input type="checkbox"/> 44 <input type="checkbox"/> 45 <input type="checkbox"/> 46 <input type="checkbox"/> 47 <input type="checkbox"/> 48 <input type="checkbox"/> 49 <input type="checkbox"/> 50 <input type="checkbox"/> 51 <input type="checkbox"/> 52 <input type="checkbox"/> 53 <input type="checkbox"/> 54 <input type="checkbox"/> 55 <input type="checkbox"/> 56 <input type="checkbox"/> 57 <input type="checkbox"/> 58 <input type="checkbox"/> 59 <input type="checkbox"/> 60 <input type="checkbox"/> 61 <input type="checkbox"/> 62 <input type="checkbox"/> 63 <input type="checkbox"/> 64 <input type="checkbox"/> 65 <input type="checkbox"/> 66 <input type="checkbox"/> 67 <input type="checkbox"/> 68 <input type="checkbox"/> 69 <input type="checkbox"/> 70 <input type="checkbox"/> 71 <input type="checkbox"/> 72 <input type="checkbox"/> 73 <input type="checkbox"/> 74 <input type="checkbox"/> 75 <input type="checkbox"/> 76 <input type="checkbox"/> 77 <input type="checkbox"/> 78 <input type="checkbox"/> 79 <input type="checkbox"/> 80 <input type="checkbox"/> 81 <input type="checkbox"/> 82 <input type="checkbox"/> 83 <input type="checkbox"/> 84 <input type="checkbox"/> 85 <input type="checkbox"/> 86 <input type="checkbox"/> 87 <input type="checkbox"/> 88 <input type="checkbox"/> 89 <input type="checkbox"/> 90 <input type="checkbox"/> 91 <input type="checkbox"/> 92 <input type="checkbox"/> 93 <input type="checkbox"/> 94 <input type="checkbox"/> 95 <input type="checkbox"/> 96 <input type="checkbox"/> 97 <input type="checkbox"/> 98 <input type="checkbox"/> 99 <input type="checkbox"/> 100</p> <p>7. Total fee (37 CFR 3.41) .....\$40.00</p> <p><input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Charge deficiencies/credit overpayments to Deposit Account</p> <p>8. Deposit Account No.: 13-2491</p>		

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.

<p>Deborah Miller</p>	<p>37,679</p>	<p><i>Deborah Miller</i></p>	<p>8/19/98</p>
<p>Name of person signing</p>	<p>Reg. No.</p>	<p>Signature</p>	<p>Date</p>

Total number of pages including cover sheet: 2

08/25/1998 TTUN11 00000100 132491 09136034  
01 FC:581 40.00 CH

PATENT  
REEL: 9403 FRAME: 0800

## 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 Communications Corporation, a corporation of Delaware, having a principal place of business at Washington D.C., ("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 \_\_\_\_\_ and assigned Serial No. \_\_\_\_\_

and is entitled:

**DYNAMIC ROUTE GENERATION FOR REAL TIME NETWORK RESTORATION USING A PRE-PLAN ROUTE GENERATION METHODOLOGY**

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 David Croslin

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

8/13/98