
 MAR 1998  
**MAIL DATE CANCELLED**  
 PATENT & TRADEMARK OFFICE

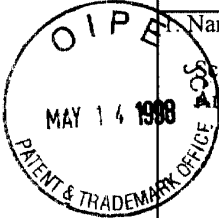
06-01-1998



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

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


 MAY 14 1998  
 PATENT & TRADEMARK OFFICE

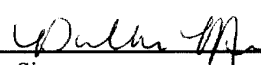
1. Name of conveying party(ies): Scott Welch Andrew Robinson <i>5-14-98</i> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Name and address of receiving party(ies): MCI Communications Corporation Technology Department 1133 19th Street, N.W. Washington, D.C. 20036 Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Change of name <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> _____ Execution Date: 1, 5/1/98; 2, 4/29/98	

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:  
 1, 5/1/98; 2, 4/29/98

A. Patent Application No.(s) 09/001,829	B. Patent No.(s)  Additional number(s) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No
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5. Name and address of party whom correspondence concerning document should be mailed:  Technology Department MCI Communications Corporation 1133 19th Street N.W. Washington, D.C. 20036	6. Total number of applications and patents involved <input type="checkbox"/> 1 <input type="checkbox"/> <hr/> 7. Total fee (37 CFR 3.41) .....\$40.00 <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 <hr/> 8. Deposit Account No.: 13-2491
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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.

Deborah Miller Name of person signing	37,679 Reg. No.	 Signature	5/14/98 Date
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Total number of pages including cover sheet: [2]

### 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 12/31/97 and assigned Serial No. 09/001,829

and is entitled:

*A Long-Haul Terrestrial Optical Fiber Link Having Low-Power Optical Line Amplifiers with Integrated Dispersion Compensation Modules*

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:

Date:

A. N. Robinson  
Andrew N. Robinson

Scott A. Welch  
Scott A. Welch

5/1/98  
4/29/98