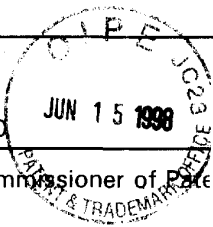


MRD 6-15-98

FORM PTO-1595  
1-31-92  
ABME-0474/B970420



07-09-1998



100757600

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To The Honorable Commissioner of Patents  
thereof.

3 attached original documents or copy

1. Name of conveying party(ies):

**Richard Christopher Carpenter**

Additional name(s) of conveying party(ies)  
attached? ( ) YES (X) NO

3. Nature of Conveyance:

- (X) Assignment ( ) Merger  
( ) Security Agreement  
( ) Change of Name  
( ) Other:

Execution Date: **May 19, 1998**

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

Name: **ABB POWER T&D COMPANY INC.**

Internal Address: **1021 MAIN CAMPUS DRIVE  
RALEIGH, NORTH CAROLINA 27606**

Street Address: SAME AS ABOVE

City

State

ZIP

Additional name(s) & address attached? ( ) YES (X) NO

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:

A. Patent Application No.(s) **09/082,758**

B. Patent No.(s)

Additional numbers attached? ( ) YES (X) NO

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

Name: **ANTHONY J. ROSSI**

Internal Address: **WOODCOCK WASHBURN KURTZ  
MACKIEWICZ & NORRIS LLP  
One Liberty Place - 46th Floor  
Philadelphia, Pennsylvania 19103-7301**

Street Address: **WOODCOCK WASHBURN KURTZ  
MACKIEWICZ & NORRIS LLP  
One Liberty Place - 46th Floor  
1650 Market Street  
Philadelphia, Pennsylvania 19103-7301**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41):.....\$40.00

(X) Enclosed

( ) Authorized to be charged to Deposit Account  
Number 23-3050

8. Please charge any deficiency or credit any  
overpayment to Deposit Account Number 23-3050

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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.*

**Anthony J. Rossi/24,053**

Name of Person Signing/Reg. No.

Signature

Date

Total number of pages including cover sheet, attachments, and document: **4**

Mail documents to be recorded with required cover sheet information to:

07/08/1998 DCDATES 00000149 09082758

01 FC:581

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Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

PATENT

REEL: 9281 FRAME: 0793

PATENT  
Sole Inventor

DOCKET NO.: B970420/TNPMCS/ABME-0474

(Pending Application;  
Serial No. Unknown)

A S S I G N M E N T

WHEREAS, I Richard Christopher Carpenter, hereinafter referred to as the assignor, residing at 3808 Barbican Court, Fuquay-Varina, NC 27526, am the inventor of certain inventions or improvements for which I have made application for Letters Patent of the United States, identified as Case No. B970420/TNPMCS/ABME-0474, entitled **MAPPING INTERFACE FOR A DISTRIBUTED SERVER TO TRANSLATE BETWEEN DISSIMILAR FILE FORMATS**; and

WHEREAS, ABB Power T&D Company Inc., hereinafter referred to as the assignee, of 1021 Main Campus Drive, Raleigh, North Carolina 27606, a corporation of Delaware is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of my employment by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any re-issue or re-issues or extension or extensions of said Letters Patent, and assign to and authorize said assignee to file in my name applications for Letters Patent in all countries the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees or

**PATENT**  
**Sole Inventor**

legal representatives, and I agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patents of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I further authorize and direct my attorneys to insert below\* the serial number and filing date of said application now identified as Case No. **B970420/TNPMCS/ABME-0474** as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

  
\_\_\_\_\_  
Richard Christopher Carpenter (L.S.)

PATENT  
Sole Inventor

North Carolina :  
COUNTY OF Wake : SS

On this 19 day of May, 1998, before me personally came the above named Richard Christopher Carpenter, to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Debra M. McLane  
Notary Public

My Commission Expires **9-05-2001**

\*The above assignment covers application Serial No. 09/082,758, filed on May 21, 1998.

The above insertion made by me this 11th day of June, 1998.

Anthony J. Rossi  
of WOODCOCK WASHBURN KURTZ MACKIEWICZ &  
NORRIS LLP