

06-15-2001



To The Honorable Commissioner of
copy thereof.

101749873

d the attached original documents or

1. Name of conveying party(ies):

SEE ATTACHED LIST

6-11-01

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

3. Nature of Conveyance:

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

Execution Date(s): **SEE ATTACHED LIST**

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

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

Street Address: **1021 Main Campus Drive**

City: **Raleigh**

State **North Carolina**

ZIP **27606**

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) **09/749,192**
filed 12/27/2000

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: **STEVEN B. SAMUELS**
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

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

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.

Steven B. Samuels/Reg. No. 37,711

Name of Person Signing/Reg. No.

Signature

June 5, 2001

Date

Total number of pages including cover sheet, attachments, and document: **7**

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

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

*Attachment to PTO Form 1595 for Recordation of Assignment of
S.N. 09/749,192 to
ABB POWER T&D COMPANY INC.*

<i>Assignors</i>	<i>Date of Execution of Assignment</i>
<i>Graeme N. McClure</i>	<i>May 19, 2001</i>
<i>Jeffrey L. McElray, Sr.</i>	<i>March 29, 2001</i>
<i>Robert A. Smith</i>	<i>April 9, 2001</i>
<i>Carl LaPlace</i>	<i>March 29, 2001</i>
<i>David G. Hart</i>	<i>March 29, 2001</i>
<i>William M. Egolf</i>	<i>March 29, 2001</i>

DOCKET NO.: ABMS-0091/B990340/BADMS

(Pending Application;
Serial No. Known)

ASSIGNMENT

WHEREAS, we, **Graeme N. McClure; Jeffrey L. McElray, Sr.; Robert A. Smith; Carl LaPlace; David G. Hart and William M. Egolf**, hereinafter referred to as the assignors, residing respectively at **39 Tibrockney Street, Highett Victoria 3190, Australia; 1025 Home Farm Road, Wendell, North Carolina 27591; 21 McGregor Drive, Sherborn, Massachusetts 01770; 2209 Brisbayne Circle, Raleigh, North Carolina 27615; 2726 Blaydon Drive, Raleigh, North Carolina 27606; and 1702 Walden Meadow Drive, Apex, North Carolina 27502**, are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. **09/749,192**, filed **December 27, 2000**, entitled **LOOP RESTORATION SCHEME FOR DISTRIBUTION FEEDERS**; 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 paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, 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 reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names 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 us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we 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 legal representatives, and each of us agrees to communicate

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Joint Inventors**

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 we 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 Patent 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.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

Graeme N. McLure (L.S.) 19/5/2001
Graeme N. McLure Date
[Signature] (L.S.) 19/5/2001
Witness to the signature of Date
Graeme N. McLure
Michael J. [Signature] (L.S.) 19/5/2001
Witness to the signature of Date
Graeme N. McLure

[Signature] (L.S.) 03/29/01
Jeffrey E. McElray, Sr. Date

Robert A. Smith (L.S.) 4/9/01
Robert A. Smith Date

[Signature] (L.S.) 03/29/01
Carl LaPlace Date

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Joint Inventors

David G. Hart (L.S.) Date 3/29/01

William M. Egolf (L.S.) Date 3/29/2001

STATE OF/PROVINCE OF North Carolina :
: SS
COUNTY OF/COUNTRY OF Wake :

On this 29th day of March, year of 2001, before me personally came the above named **Jeffrey L. McElray**, 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.

Jane P. Warren
Notary Public
MY COMMISSION EXPIRES MARCH 28, 2005.

STATE OF/PROVINCE OF Massachusetts :
: SS
COUNTY OF/COUNTRY OF Middlesex :

On this 9th day of April, year of 2001, before me personally came the above named **Robert A. Smith**, 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.

Patty Anastas
Notary Public
MY COMMISSION EXPIRES MARCH 28, 2005.

STATE OF/PROVINCE OF North Carolina :
: SS

COUNTY OF/COUNTRY OF Wake :

On this 29th day of March, year of 2001, before me personally came the above named **Carl LaPlace**, 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.

Jane P. Warren
Notary Public
MY COMMISSION EXPIRES MARCH 28, 2005.

STATE OF/PROVINCE OF North Carolina :
: SS

COUNTY OF/COUNTRY OF Wake :

On this 29th day of March, year of 2001, before me personally came the above named **David G. Hart**, 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.

Jane P. Warren
Notary Public
MY COMMISSION EXPIRES MARCH 28, 2005.

**PATENT
Joint Inventors**

STATE OF/PROVINCE OF North Carolina :

: SS

COUNTY OF/COUNTRY OF Wake :

On this 29th day of March, year of 2001, before me personally came the above named **William M. Egolf**, 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.

Jane P. Warren

Notary Public

MY COMMISSION EXPIRES MARCH 28, 2005.