

09-08-1998

FO
1-3
ABI

100823927

RECORDATION FORM COVER SHEET
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficeTo The Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. **MAD 8-27-98**

1. Name of conveying party(ies):

1] David G. Hart; 2] Damir Novosel
3] Steven A. KunsmanAdditional 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: [1] 7/27/98 [2] 7/27/98
[3] 8/12/98

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) **09/119,792**

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 **E**

(X) Enclosed

() Authorized to be charged to Deposit Account
Number 23-30508. 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.***Anthony J. Rossi/24,053**

Name of Person Signing/Reg. No.

Signature

8-24-98

Date

Total number of pages including cover sheet, attachments, and document: 5

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

09/02/1998 JSHADAZZ 00000160 09119792

01 FC:501

40.00 DP

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

PATENT

REEL: 9420 FRAME: 0767

PATENT
Joint Inventors

**(Pending Application;
Serial No. Unknown)**

DOCKET NO.: ABRE-0526/B960600

ASSIGNMENT

WHEREAS, we **David G. Hart; Damir Novosel; Steven A. Kunsman**, hereinafter referred to as the assignors, residing respectively at **2804 Isabella Drive, Raleigh, North Carolina 27603; 107 E. Skyhawk Drive, Cary, North Carolina 27513; ~~2604 Appel Street, Allentown, Pennsylvania 18103~~** are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Case No. **ABRE-0526/B960600**, entitled **HIGH IMPEDANCE FAULT DETECTION**; 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, 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 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

PATENT
Joint Inventors

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.

We further authorize and direct our attorneys to insert below* the serial number and filing date of said application now identified as Case No. **ABRE-0526/B960600** as soon as the same shall have been made known to them by the United States Patent Office.

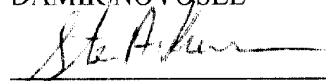
IN WITNESS WHEREOF, we have hereunto set our hands and seals.



DAVID G. HART (L.S.)



DAMIR NOVOSSEL (L.S.)



STEVEN A. KUNSMAN (L.S.)

**PATENT
Joint Inventors**

North Carolina :
COUNTY OF Wake : SS

On this 27th day of July, 19 98, 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: 3-22-2000

North Carolina :
COUNTY OF Wake : SS

On this 27th day of July, 19 98, before me personally came the above named DAMIR NOVOSEL 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

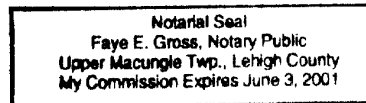
My Commission Expires: 3-22-2000

**PATENT
Joint Inventors**

Pennsylvania
COUNTY OF Lehigh : SS

On this 12th day of August, 19 98 before me personally came the above named STEVEN A. KUNSMAN 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.

Faye E. Gross
Notary Public



Member, Pennsylvania Association of Notaries

*The above assignment covers application Serial No. 09/119,792,
filed on July 21, 19 98.

The above insertion made by me this 24th day of
August, 19 98.

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