

RECORDATION FORM COVER SHEET
PATENTS ONLY - ABDT-0564/B030150

10-01-2003



To The Honorable Commissioner of Patents and Trademarks. Please record the attached origi.

102563727

1. Name of conveying party(ies):

Harold R. Younger	July 28, 2003
First Assignor	Date of Execution
Second Assignor	Date of Execution
Third Assignor	Date of Execution
Fourth Assignor	Date of Execution
Fifth Assignor	Date of Execution
Sixth Assignor	Date of Execution

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

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

Name: **ABB Inc.** 9-29-03

Street Address: Centennial Campus -- NCSU
1021 Main Campus Drive

City: Raleigh

State North Carolina ZIP 27606

Additional name(s) & address attached? YES NO

3. Nature of Conveyance (check only one):

<input checked="" type="checkbox"/> New Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> License Agreement	<input type="checkbox"/> Security Agreement
<input type="checkbox"/> Change of Name	<input type="checkbox"/> Other:

OFFICE OF PUBLIC RECORDS
2003 SEP 27 PM 5:53
FINANCE SECTION

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.: 10/600,676	Patent Nos.:	Date application was signed by the first named executing inventor
		(Fill-in this date only if assignment is filed together with a new application)

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

Name: **Frank T. Carroll, Esq.**
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301
215-568-3100

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.

Frank T. Carroll/ Reg. No. 42,392	<i>Frank T. Carroll</i>	<i>SEP. 26 2003</i>
Name of Person Signing/Reg. No.	Signature	Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 4

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

09/30/2003 ECDPER 00000018 10600676

01 FC:8021

40.00 BP

Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**(Pending Application;
Application No. Known)**

ASSIGNMENT

WHEREAS, I, **Harold R. Younger**, hereinafter referred to as the assignor, residing at **P.O. Box 474, Halifax, Virginia 24558**, am a joint inventor with **Egil Stryken and John Wallumrod** of certain inventions or improvements for which we have made application for Letters Patent of the United States, identified as **Case No. ABDT-0564/B030150**, entitled **THREE-PHASE TRANSFORMER**; and

WHEREAS, **ABB Inc.**, hereinafter referred to as the assignee, of **Centennial Campus - NCSU, 1021 Main Campus Drive, Raleigh, North Carolina 27606**, a corporation of **Delaware**, is desirous of acquiring my 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 our 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, my 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.

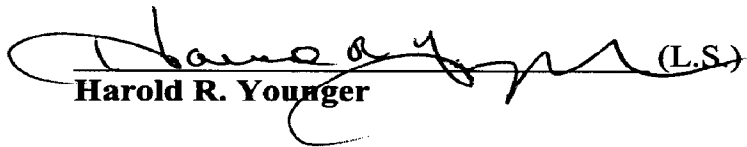
AND I hereby covenant that I have full right to convey my entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith, and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such 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 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 of applications as aforesaid, to issue to said assignee, as assignee of my 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.

I further authorize and direct my attorneys to insert below* the application number and filing date of said application now identified as Case No. **ABDT-0564/B030150** 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.

July 28, 2003
Date

 (L.S.)
Harold R. Younger

STATE OF North Carolina : SS
COUNTY OF Wake :

On this 28 day of July, year of 2003, before me personally came the above named **Harold R. Younger** 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.


Notary Public

MY COMMISSION EXPIRES MARCH 28, 2005.

*The above assignment covers Application No.

10/600,676, filed on June 19, year of 2003.

The above insertion made by me this 26~~th~~ day of

September, year of 2003.

F. T. Carroll

of **WOODCOCK WASHBURN LLP**

Name: Frank T. Carroll, Esq.

Registration No. 42,392