

08-30-2004



102824471

Attorney Docket: E20030100

Commissioner for Patents

RECORDATION FORM COVER SHEET
PATENTS ONLY

8.2004

17510 U.S. PTO
10/923365
082004

To the Commissioner for Patents

Please record the attached original documents or copy thereof of assignment for new Patent Application filed on August 20, 2004.

1. Name of conveying parties:

- a. Alpo K. Vallinmaki
- b. Douglas Karraker
- c. Dennis Tyczkowski

2. Name and address of receiving parties:

ABB Inc.
501 Merritt 7
Norwalk, Connecticut 06856

3. Nature of conveyance:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other _____ | |

Execution Date: August 19, 2004

Title of invention: **METHOD AND APPARATUS FOR DETECTING FAULTS IN AC TO AC, OR DC TO AC POWER CONVERSION EQUIPMENTS WHEN THE EQUIPMENT IS IN A HIGH IMPEDANCE MODE**

4. Application number(s) or patent number(s):

- a. Patent Application No.:
- b. Patent No.:

08/27/2004 BTOM11 00000120 050877 10923365
01 FC:0021 40.00 BA

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

Michael M. Rickin
ABB Inc.
Legal Department – 4U6
29801 Euclid Avenue
Wickliffe, OH 44092

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

7. **Total fee (37 CFR 3.41):**

Charge Deposit Account No. 05-0877 in the amount of \$40.00 to cover the assignment recordal fees. A duplicate copy of this Recordation Form Cover Sheet is enclosed.

8. **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.

Debra Rietze

Typed or Printed Name of Person Signing

Debra Rietze

Signature

August 20, 2004

Date

PATENT**Attorney Docket No.: E20030100****ASSIGNMENT**

THIS Assignment made the 19th day of August, 2004.

WITNESSETH:

Whereas, we Alpo K. Vallinmaki, Douglas Karraker, and Dennis Tyczkowski of S52W30969 Old Village Road, Mukwonago, WI 53149; S67W14570 Gaulke Ct., Muskego, WI 53150; and 7520 S. Chapel Hill Dr., Franklin, WI 53132, respectively (hereinafter referred to as "ASSIGNOR") have made an invention entitled **METHOD AND APPARATUS FOR DETECTING FAULTS IN AC TO AC, OR DC TO AC POWER CONVERSION EQUIPMENTS WHEN THE EQUIPMENT IS IN A HIGH IMPEDANCE MODE**; and

WHEREAS, ABB INC., a corporation organized under the laws of the State of Delaware, and having its headquarters at 501 Merritt 7, Norwalk, CT 06856, is desirous of acquiring the entire right, title and interest in and to the invention, including all rights to file United States and foreign patent applications for said invention, and any and all Letters Patent of the United States and foreign countries which shall be granted therefor.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to ABB INC. the ASSIGNOR'S entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including all United States patent application(s) filed therefor, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the ASSIGNOR shall be legally bound, upon request and at the expense of ABB INC. or its successors and assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of the invention, to testify in any legal proceeding relating thereto, to execute all instruments and do such other acts as may be necessary and proper to patent the invention in the United States of America in the name of ABB INC. or its successors and assigns and to execute all instruments proper to carry out the intent of this Assignment.

ASSIGNOR hereby warrants that no assignment, sale agreement or encumbrance has been or will be made or entered into which will conflict with this Assignment.

ASSIGNOR hereby requests the Director of the United States Patent and Trademark Office to issue the Letters Patent of the United States in accordance with this Assignment.

Because ASSIGNOR includes more than one person, these obligations shall apply to those persons individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day and year first above written.

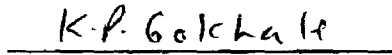
ASSIGNOR No. 1:

Typed Name: Alpo K. Vallinmaki

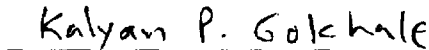


Signature

Witness to ASSIGNOR No. 1:



Signature



Printed Name

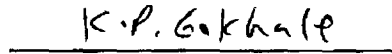
ASSIGNOR No. 2:

Typed Name: Douglas Karraker

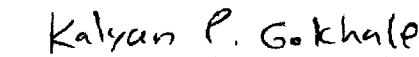


Signature

Witness to ASSIGNOR No. 2:



Signature



Printed Name

Signature of Assignor No. 3 Appears On The Following Page

ASSIGNOR No. 3:

Typed Name: Dennis Tyczkowski

Dennis Tyczkowski
Signature

Witness to ASSIGNOR No. 3:

K.P. Gokhale
Signature

Kalyan P. Gokhale
Printed Name