

10-05-2004



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Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

**TROY WRAY**

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

**ABB LIMITED****Stonefield Works, Oulton Road****Stone, Staffordshire, ST15 0RS, UNITED KINGDOM**

3. Nature of conveyance:

**XXXX**

Assignment

Merger

Security Agreement

Change of Name

Other:

Execution Date: **August 16, 2004**

4. Application number(s) or application date(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Application/Patent No.**10/856,009**B. Application/Issue Date**May 28, 2004**

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

10/04/2004 BTOW11 00000045 010467 10856009  
01 FC:8021 40.00 DA

Paul D. Greeley, Esq.  
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.  
One Landmark Square, 10<sup>th</sup> Floor  
Stamford, Connecticut 06901-2682 U.S.A.

OCT 1 - 1 11 7:57  
CPR/FINANCE6. Total No. of applications and patents involved: 1.

7. Total Fee (37 C.F.R. 3.41(h)) \$40.00/assignment.

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Enclosed

Authorized to be charged to deposit account.

The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 3.41 that may be required with this communication or credit any overpayment, to Deposit Account No. **01-0467**. A duplicate copy of this Form is enclosed.

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.

Charles N.J. Ruggiero

Name of Person Signing

Signature

9/28/04  
DateTotal number of pages including cover sheet, attachments and document: 3.**PATENT**  
**REEL: 015842 FRAME: 0810**

## **ASSIGNMENT**

FOR valuable and legally sufficient consideration, receipt of which is hereby acknowledged, I, Troy Wray, a citizen of the United Kingdom and a resident of the United Kingdom have invented certain new and useful improvements in:

### **Phase Measurement in Measuring Device**

and hereby assign to ABB Limited, a United Kingdom corporation having its principal office at Stonefield Works, Oulton Road, Stone, Staffordshire, ST15 0RS, United Kingdom (hereinafter referred to as "Assignee"), the entire right, title and interest in and to such invention, together with the patent rights and rights of protection to the same throughout the world, including any patent rights which may result from the application for United States Letters Patent which was filed in the United States Patent and Trademark Office on 27 May 2004 and assigned Application Serial No. 10/856,009, and any continuation, divisions, continuation-in-part applications, inventor's certificates and extensions thereof, preparatory to obtaining Letters Patent of the United States therefore; said invention, application and Letters Patent to be held and enjoyed by said Assignee for its own use and behoof and for the use and behoof of its successors and assigns, to the full end of the term for which said Letters Patent or other rights of protection may be granted as entirely as the same would have been held and enjoyed by me had the assignment not been made.

AND I COVENANT and AGREE and WARRANT that I have full and unencumbered title to the invention hereby assigned, and I further covenant and agree that I have the right to grant such rights to said invention and application and Letters Patent and that I will, at any time upon request without further compensation, execute and deliver any and all papers or instruments that, in the opinion of the Assignee, may be necessary or desirable to secure said Assignee the full enjoyment of the rights and properties herein conveyed or intended to be conveyed by this instrument.

IN WITNESS WHEREFORE, I have hereunto set my hand and seal:

Date: 16th Aug, 2004

T. Wray  
By: TROY WRAY

Date: 16th AUG, 2004

R Keach  
Witness Signature

DR RAY KEECH  
Witness printed Name

Witness Address:

ABB LTD  
OLDENDS LANE  
STONEHOUSE  
GLOS, GL10 3TA