

5-4-00

FORM PTO-1595  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**ABME-0624/B990650**

06-01-2000

ET

To The Honorable Commissioner of Pa  
thereof.



he attached original documents or copy

101371079

1. Name of conveying party(ies):

**SEE ATTACHED LIST OF CONVEYING  
PARTIES**

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

3. Nature of Conveyance:  
 **Assignment**  Merger  
 Security Agreement  
 Change of Name  
 Other:

Execution Date: **SEE ATTACHED LIST FOR  
EXECUTION DATES**

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

Name: **ABB AUTOMATION INC.**

Street Address: **29801 Euclid Avenue**

City **Wickliffe**

State **Ohio** ZIP **44092**

Additional name(s) & address attached?  YES  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) **09/491,379** | B. Patent No.(s)

Additional numbers attached?  YES  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  
 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.*

**Anthony J. Rossi/24,053**  
Name of Person Signing/Reg. No.

*Anthony J. Rossi*  
Signature

**5-3-2000**  
Date

Total number of pages including cover sheet, attachments, and document: **8**

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

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

05/30/2000 JSHABAZZ 00000066 09491379

01 FC:581 40.00 OP

**PATENT  
REEL: 010813 FRAME: 0392**

**LIST OF CONVEYING PARTIES**

<b><u>Name of Conveying Party</u></b>	<b><u>Date of Execution of Assignment</u></b>
Edward John BEROSET	February 22, 2000
Konstantin Zh. LOBASTOV	February 23, 2000
Richard William BLASCO	March 13, 2000
Rodney C. HEMMINGER	February 25, 2000
Peter W. HEUELL	February 24, 2000
Stig LEIRA	March 7, 2000
Valentin SUTA	February 22, 2000
Scott Turner HOLDSCLAW	February 23, 2000

**DOCKET NO.: ABME-0624/B990650**

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

**ASSIGNMENT**

WHEREAS, we **EDWARD JOHN BEROSSET**, residing at 602 Stonehill Road, Chapel Hill, North Carolina 27516; **KONSTANTINZH. LOBASTOV**, residing at 1021-205 Nicholwood Drive, Raleigh, North Carolina 27605; **RICHARD WILLIAM BLASCO**, residing at 14435 Riva Ridge, Auburn, California 95602; **RODNEY C. HEMMINGER**, residing at 6300 Lakeland Drive, Raleigh, North Carolina 27612; **PETER W. HEUELL**, residing at 1805 Farmington Grove, Raleigh, North Carolina 27610; **STIG LEIRA**, residing at Linderudgrenda 69, 1353 Baerums Verk, Norway; **VALENTIN SUTA**, residing at 3100 Exacta Lane, #1514, Raleigh, North Carolina 27613; and **SCOTT TURNER HOLDSCLAW**, residing at 4916 Will-O-Dean Road, Raleigh, North Carolina 27616 hereinafter referred to as the assignors, 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. **09/491,379**, filed **January 26, 2000**, entitled **SYSTEM AND METHOD FOR DIGITALLY COMPENSATING FREQUENCY AND TEMPERATURE INDUCED ERRORS IN AMPLITUDE AND PHASE SHIFT IN CURRENT SENSING OF ELECTRONIC ENERGY METERS**; and

WHEREAS, **ABB AUTOMATION INC.** hereinafter referred to as the assignee, having a place of business at **29801 Euclid Avenue, Wickliffe, Ohio 44092**, a corporation of **Ohio**, 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

**PATENT  
Joint Inventors**

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 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.


  
\_\_\_\_\_  
**EDWARD JOHN BERONET** (L.S.)

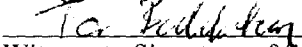
  
\_\_\_\_\_  
**KONSTANTIN ZH. LOBASTOV** (L.S.)

  
\_\_\_\_\_  
**RICHARD WILLIAM BLASCO** (L.S.)

  
\_\_\_\_\_  
**RODNEY C. HEMMINGER** (L.S.)

  
\_\_\_\_\_  
**PETER W. HEUELL** (L.S.)

  
\_\_\_\_\_  
**STIG LEIRA** (L.S.)

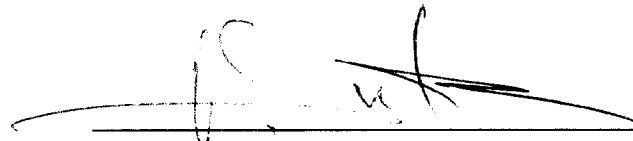
  
\_\_\_\_\_  
Witness to Signature of Stig Leira

Date: 03/07/00

Date: 03/07/00

**PATENT  
Joint Inventors**

Date: 2/22/00

  
\_\_\_\_\_  
(L.S.)

**VALENTIN SUTA**

  
\_\_\_\_\_  
(L.S.)

**SCOTT TURNER HOLDSCLAW**

North Carolina :  
COUNTY OF Wake : SS

On this 2<sup>nd</sup> day of February, year of 2000, before me personally came the above named **Edward John Beraset** 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.

Bonita M. McLean  
Notary Public

My Commission Expires 9-05-2001

North Carolina :  
COUNTY OF Wake : SS

On this 23 day of February, year of 2000, before me personally came the above named **Konstantin Zh. Lobastov** 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.

Bonita M. McLean  
Notary Public

My Commission Expires 9-05-2001

State of California :  
COUNTY OF Placer : SS

On this 13 day of March, year of 2000 before me personally came the above named **Richard William Blasco** 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.

Melissa Cowan  
Notary Public



North Carolina :  
COUNTY OF Wake : SS

On this 25<sup>th</sup> day of February, year of 2000 before me personally came the above named **Rodney C. Hemminger** 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.

Bonita M. McEann  
Notary Public

North Carolina :  
COUNTY OF Wake : SS

My Commission Expires 9-05-2001

On this 24 day of February, year of 2000 before me personally came the above named **Peter W. Heuell** 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.

Bonita M. McEann  
Notary Public

North Carolina :  
COUNTY OF Wake : SS

My Commission Expires 9-05-2001

On this 28 day of February, year of 2000, before me personally came the above named **Valentine Suta** 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.

Bonita M. McEann  
Notary Public

My Commission Expires 9-05-2001

**PATENT  
Joint Inventors**

North Carolina :  
COUNTY OF Wake : SS

On this 23 day of February, year of 2000, before me personally came the above named **Scott Turner Holdsclaw** 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.

Bernd M. McLean  
Notary Public

My Commission Expires 9-05-2001