

RECORDATION FORM COVER SHEET
PATENTS ONLY ABME-0785/B970214

09-10-2003



102546227

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

1. Name of conveying party(ies): **9803**

ABB Inc. **March 12, 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

Name: **Elster Electricity, LLC**

Street Address: c/o American Meter Company
300 Welsh Road, Building One

City: Horsham

State Pennsylvania Zip: 19044

Additional name(s) & address attached? ☐ YES ☒ NO

3. Nature of Conveyance (check only one):

☒ New Assignment ☐ Merger
☐ License Agreement ☐ Security Agreement
☐ Change of Name ☐ Other:

OFFICE OF PUBLIC RECORDS
2003 SEP -8 AM 11:46
FINANCE SECTION

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

Application Nos.: **09/975,582**

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: **Jonathan M. Waldman, 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.

Jonathan M. Waldman/Reg. No. 40,861 **September 4, 2003**
Name of Person Signing/Reg. No. Signature Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: **11**

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

09/09/2003 6TON11 00000143 09975582 Mail Stop Assignment Recordation Services
01 FC:0021 40.00 DP Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, ABB Inc., hereinafter referred to as the ASSIGNOR, a company organized and existing under the laws of the State of Delaware, having its principal place of business at 501 Merritt 7, Norwalk, CT 06856 is the owner of certain inventions or improvements for which applications for Letters Patent have been made or for which Letters Patent have been issued, all of which are listed on Attachment A hereto (hereafter Patent Property); and

WHEREAS, pursuant to an Asset Sale and Purchase Agreement having an effective date of December 4, 2002, ASSIGNOR has sold, assigned and transferred to Elster Electricity, LLC, hereinafter referred to as the ASSIGNEE, a limited liability company organized and existing under the laws of the State of Delaware, having its principal place of business at c/o American Meter Company, 300 Welsh Road, Building One, Horsham, PA 19044, all of ASSIGNOR's right, title and interest in and to certain intellectual property which includes the Patent Property;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over to said ASSIGNEE, the entire right, title and interest in and to said Patent Property and any and all continuations, divisions and renewals of and substitutes for said Patent Property and to and under any and all additional 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 the full right to sue for and recover all profits and damages recoverable for past infringement of the same, and assign to and authorize said ASSIGNEE to file applications for Letters Patent in all countries, 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 ASSIGNOR had this assignment, sale and transfer not been made.

It is hereby covenanted that ASSIGNOR has good and valid title to the Patent Property and the same is free and clear of any and all liens and encumbrances, and ASSIGNOR further covenants and agrees that it 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 Patent Property in said ASSIGNEE, and ASSIGNOR agrees to communicate to said ASSIGNEE all known facts respecting said Patent Property, to sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to take such other actions as said ASSIGNEE may deem reasonably necessary to aid said ASSIGNEE, to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of said ASSIGNEE.

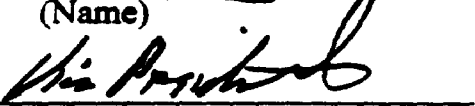
AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said ASSIGNEE, as assignee of the entire right, title and interest, any and all Letters Patent for Patent property, including any and all Letters Patent of the United States which may be issued and granted on or as a result of any applications included in said Patent Property, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, the undersigned, being properly authorized to execute this Assignment, hereunto sets their hand and seal.

ABB INC.

By: 

(Name)

Its: 

(Title)

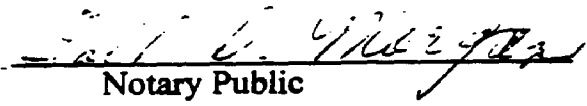
Date: 3/12/03

STATE OF CONNECTICUT

:
: SS NR. PA

COUNTY OF FAIRFIELD

On this 12th day of MARCH, year of 2003, before me, the undersigned officer, personally appeared EUGENE E. MADARA, who acknowledged himself/herself to be the VICE PRESIDENT of ABB Inc., a corporation, and that he/she as such VICE PRESIDENT, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself/herself as VICE PRESIDENT.


Notary Public

GAIL D. MORGAN
NOTARY PUBLIC

My Commission Expires Sept. 30, 2003

ATTACHMENT A
See the attached spreadsheet

Land	Docket	Title	Filed	Serial No.	Issued	Patent No.
US	B900257	Electronic Meter With Oversampling A/D's and a Programmable DSP	06-Jun-96	659326	20-May-97	5631843
US	B900252	Programmable Electrical Energy Meter Utilizing a Non-Volatile Memory	07-Jun-95	484789	20-Aug-96	5548527
US	B900256	Electronic Meter With Oversampling A/D's and a Programmable DSP	27-Sep-95	534693	10-Sep-96	5555508
US	B900263	Method for Providing Optical Test Signals For Electronic Meter Testing	07-Jun-95	08/478606		
US	B900268	Electronic Meter Testing Using Optical Communications	07-Jun-95	08/479013		
US	B900269	Method and Apparatus for Electronic Metering Testing	06-Jun-96	08/660709		
US	B900268	Apparatus for Metering Electrical Power and Electronically Communicating	26-Mar-98	09/048800	07-Jan-03	6504357
US	B90026C	Apparatus for Metering Electrical Power That Determines Energy Usage Data Based...	26-Mar-98	09/048812	19-Nov-02	6483290
US	B900272	Switching Power Supply Having Voltage Blocking Clamp	03-Feb-95	08/384398	10-Oct-95	5457621
US	B900273	Switching Power Supply for Use in an Electronic Energy Meter Having a Wide Range of Input Voltages	07-Jun-95	08/479137	15-Apr-97	5621629
US	B900274	Electrical Energy Meter Having Resistive Dividers for Providing Wide Range Voltage Capability	07-Jun-95	08/475549		
US	B900278	Universal Electronic Energy Meter For Use With 4-Wire Standard Services	07-Jun-95	08/478605	11-May-99	5903145
US	B90027C	Electrical Energy Meter For 3-Wire Delta Service	07-Jun-95	08/482005	01-Aug-00	6097182
US	B90027A	Apparatus for Metering at Least One Type of Electrical Power Over...	25-Mar-98	09/047479	08-May-01	6229295
US	B960477	System and Method for Automatically Determining the Electrical Energy Service Type...	30-Nov-98	201292	25-Jul-00	6094622
US	B960474	Energy Meter With Power Quality Monitoring Systems and Methods	30-Nov-98	09/201440	14-Jan-03	6507794
US	B960473	Energy Meter With Instrumentation Systems and Methods	30-Nov-98	201439	16-Apr-02	6374188
US	B960476	System and Method for Detecting Flicker in an Electrical Energy Supply	30-Nov-98	09/201294	31-Jul-01	6269316
US	B960475	Energy Meter Having Programmable Functions	30-Nov-98	201610		
US	B970160	Broadcast Technology for an Automatic Meter Reading System	08-Apr-97	08/835261	06-Jun-00	6073169
US	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	12-Feb-98	09/022718	28-May-02	6396839
US	B970221	Remote Access to Electronic Meters Using the Short Message Service (SMS)	12-Feb-98	09/022879		
US	B970471	Automatic Meter Reading System	21-May-98	09/082647	11-Jul-00	6088659
US	B970560	Telecommunication Off-Hook and Intrusion Detection Method and Apparatus	24-Dec-97	08/998166	22-Oct-02	6470083
US	B980020	Stackable Plastic Cover For Use On Electrical Meters	24-Jun-98	09/104071	04-Jul-00	6084395
US	B980141	Wireless Area Network Communications Module for Utility Meters	28-Apr-99	9906006		
CA	B980140	Wireless Area Network Communications Module for Utility Meters	28-Apr-99	2330643		
US	B980142	Wireless Area Network Communications Module for Utility Meters	13-Jul-01	09/905145		
US	B980251	Apparatus and Method for Detecting Tampering in a Multiphase Meter	13-May-99	09/311346	22-May-01	6236197
US	B990061	Advanced Instrument Packaging for Electronic Energy Meter	26-Jan-00	09/490992	05-Nov-02	6476595
BR	B990061	Instrument Packaging For Electronic Energy Meter	26-Jan-00	4-7		
EP	B990061	Advanced Instrument Packaging For Electronic Energy Meter	26-Jan-00	2		
RO	B990061	Advanced Instrument Packaging For Electronic Energy Meter	26-Jan-00	00860		
RU	B990061	Instrument Packaging For Electronic Energy Meter	26-Jan-00	26		
US	B990063	Advanced Instrument Packaging for Electronic Energy Meter	28-Aug-02	10/229778		
US	B990470	A One-Piece Stainless Steel Rim For Mating a Meter Cover and Base and Method of Making Same	26-Jul-00	09/625773	14-May-02	6386790
WO	PCT	One Piece Stainless Steel Rim and Method of Making the Same	20-Jul-01	/22966		
CA	PCT	One Piece Stainless Steel Rim and Method of Making the Same	20-Jul-01	2385811		

Land	Docket	Title	Filed	Serial No.	Issued	Patent No.
CA	B980580	Architecture Layer Interfacing Devices and Applications	07-Dec-99	2354581		
EP	B980580	Architecture Layer Interfacing Devices and Applications	07-Dec-99	9		
US	B980581	Architecture Layer Interfacing Devices and Applications	07-Dec-99	09/455859	21-May-02	6393341
AU	B543620	Electronic Watt-Hour Meter With Combined Multiplier/Integrator Circuit	28-Nov-89	45631/89	16-Apr-92	617560
US	B990160	Network-Enabled, Expandable Metering System	02-Mar-01	09/798084		
US	B960240	Two-Element Energy Meter Having Systems For Automatic Service Type Detection	09-May-97	08/653518	31-Oct-00	6141626
CA	B960240	Two-Element Energy Meter Having Systems For Automatic Service Type Detection	24-Mar-98	2232906		
US	B960270	Communications Module Based Repeater	31-Mar-97	828539	02-Nov-99	5978371
US	B960291	Methods and Apparatus for Oscillator Compensation in an Electrical Energy Meter	22-Oct-96	735164	21-Dec-99	6005384
CA	B970760	Method and Apparatus for Detecting and Reporting a Power Outage	21-Dec-98	2304250		
US	B970761	Method and Apparatus for Detecting and Reporting a Power Outage	23-May-00	09/508219		
MX	B970761	Method and Apparatus for Detecting and Reporting a Power Outage	21-Dec-98	006134		
US	B980150	Voltage Coil and Method for Making Same	21-Sep-98	158012		
US	B980360	System and Method For Frequency Compensation In An Energy Meter	30-Nov-98	09/201640	03-Oct-00	6128584
US	B980470	Method and System For Improving Wireless Data Packet Delivery	19-Oct-98	174720		
US	B980650	System And Method For Digitally Compensating Frequency And Temperature...	26-Jan-00	09/491379		
AR	B980650	System And Method For Digitally Compensating Frequency And Temperature Induced Errors...	26-May-00	92		
WO	B980650	System and Method For Digitally Compensating Frequency and Temperature Induced Errors...	26-Jan-00	101663		
AR	B980650	System and Method for Digitally Compensating Frequency and Temperature Induced Errors...	02-Apr-02	92		
BR	B980650	System and Method for Digitally Compensating Frequency and Temperature...	26-Jan-00	2-0		
EP	B980650	System and Method for Digitally Compensating Frequency and Temperature...	26-Jan-00	5		
US	0	Secure and Authenticated Delivery of Metered and/or Energy Information Data via Untrusted Networks	23-Feb-01	09/792179		
US	0	Automated On-Site Meter Registration Confirmation Using A Portable, Wireless Computing Device	24-Apr-02	10/128851		
US	0	Mold for Component With In-Mold Decoration	31-Oct-01	09/998879		
US	0	Electronic Meter With Enhanced Thermally Managed Communications Systems and Methods	13-Aug-02	10/217397		
US	0	Data Collector for an Automated Meter Reading System	28-Jun-02	10/185074		
US	0	Microprocessor Decoder Frequency Hopping Spread Spectrum Communications Receiver	26-Jun-02	10/183936		
US	0	Dynamic Self-Configuring Metering Network	27-Jun-02	10/185664		
US	0	Frequency Hopping Spread Spectrum Decoder	26-Jun-02	10/183930		
US	0	Electrical-Energy Meter	27-Jun-02	10/185678		
US	0	Cover System For An Electrical-Energy Meter, And Process	02-Oct-02			
US	0	Access Control For Service Meter Data	26-Dec-01	10/034655		
US	0	Method and Apparatus for Determining the Internal Impedance of a Distribution Transformer...	02-Aug-01	09/921173		
CA	0	Method and Apparatus for Determining the Internal Impedance of a Distribution Transformer...	01-Aug-02	2396448		
MX	0	Method and Apparatus for Determining the Internal Impedance of a Distribution Transformer...	31-Jul-02	007467		
US	0	Frequency Hopping Spread Spectrum Communications System	21-Dec-01	10/037357		
US	B508740	Electronic Circuit for Measuring Electrical Energy	02-Oct-85	782772	05-May-87	4663587
AU	B508740	Electronic Circuit for Measuring Electrical Energy	18-Sep-86	62901/86	18-Sep-86	579489

Land	Docket	Title	Filed	Serial No.	Issued	Patent No.
CA	B508740	Electronic Circuit for Measuring Electrical Energy	26-Sep-86	519229	06-Dec-88	1246147
US	B511790	Improved Programming System for Programmable Time Registering Electric Energy Meters	28-Feb-84	584422	04-Nov-86	4621330
US	B514940	Time-of-Use-Meter With a Calendar of Cyclic Events	24-Sep-84	653630	25-Jul-89	4852030
CA	B514940	Time-of-Use-Meter With a Calendar of Cyclic Events	26-Jun-85	485254	16-Oct-90	1275304
AU	B514940	Time-of-Use-Meter With a Calendar of Cyclic Events	29-Aug-85	46866/85	16-Mar-90	590523
ES	B514940	Time-of-Use-Meter With a Calendar of Cyclic Events	20-Sep-85	547186	26-Nov-86	547186
CH	B514940	Time-of-Use-Meter With a Calendar of Cyclic Events	24-Sep-85	1	22-Jun-94	8
DE	B514940	Time-of-Use-Meter With a Calendar of Cyclic Events	24-Sep-85	8	22-Jun-94	2
FR	B514940	Time-of-Use-Meter With a Calendar of Cyclic Events	24-Sep-85	1	22-Jun-94	8
GB	B514940	Time-of-Use-Meter With a Calendar of Cyclic Events	24-Sep-85	1	22-Jun-94	8
US	B514950	Time-of-Use Watt-Hour Meter With Demand Profile Capability	24-Sep-85	1	22-Jun-94	8
CA	B514950	Time-of-Use Watt-Hour Meter With Demand Profile Capability	05-Oct-84	657921	31-Mar-87	4654588
US	B544080	Improved Mutual Inductance Current Transducer, Method of Making...	21-Jun-85	484807	07-Jun-88	1237776
MX	B544080	Improved Mutual Inductance Current Transducer, Method of Making...	18-Mar-88	170173	12-Dec-89	4887029
AU	B544080	Improved Mutual Inductance Current Transducer, Method of Making...	09-Mar-89	15200	09-Dec-92	165902
BR	B544080	Improved Mutual Inductance Current Transducer, Method of Making...	15-Mar-89	31359/89	10-Feb-92	613721
AR	B544080	Improved Mutual Inductance Current Transducer, Method of Making...	16-Mar-89	1-1	31-Jan-95	1
CA	B544080	Improved Mutual Inductance Current Transducer, Method of Making...	16-Mar-89	313438	31-Jan-94	245535
US	B544080	Improved Mutual Inductance Current Transducer, Method of Making...	15-Feb-89	591138	12-Jan-93	1312654
US	B552170	Energy Meter	11-May-89	350266	16-Oct-90	4963820
AU	B552170	Energy Meter	08-May-90	54851/90	22-Jan-93	628546
MX	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	29-Oct-92	9206230	27-Nov-95	180255
AU	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	31301/93	04-Jul-96	665385
BR	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	8-4	11-Jan-00	8
CA	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	2130433	18-Jul-00	2130433
CH	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	3	23-Sep-98	9
DE	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	3	23-Sep-98	7
ES	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	3	23-Sep-98	9
FR	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	3	23-Sep-98	9
GB	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	3	23-Sep-98	9
IT	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	3	23-Sep-98	9
RU	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	3	23-Sep-98	9
UA	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	3	23-Sep-98	9
AR	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	3	23-Sep-98	9
CN	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	94039536	27-Feb-99	2126974
EP	B900250	Programmable Electrical Energy Meter and Methods Therefore	05-Nov-92	94085722	27-Feb-99	2126974
SG	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	27-Nov-92	323774	29-Dec-94	247446
US	B900253	Programmable Electrical Energy Meter Using Multiplexed Analog-To-Digital Converters	19-Jan-93	8	10-Feb-01	67547
US	B900254	Method of Determining Power Measurements in an Electrical Energy Meter	05-Nov-92	6		
US	B900254	Method of Determining Power Measurements in an Electrical Energy Meter	08-Feb-99	4		
US	B900254	Method of Determining Power Measurements in an Electrical Energy Meter	07-Jun-95	475409	06-Aug-96	5544089
US	B900254	Method of Determining Power Measurements in an Electrical Energy Meter	07-Jun-95	477385	16-Jul-96	5537333

Land	Docket	Title	Filed	Serial No.	Issued	Patent No.
HK	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	08-Feb-99	4		
CA	B900250	Electronic Meter With Oversampling AD's and a Programmable DSP	05-Nov-92	2286992		
US	B900260	Enhanced Electronic Metering Testing	21-Feb-92	839634	16-Jul-96	5537029
AU	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	3070092	29-Aug-97	675921
BR	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	7-6	16-May-00	7
CA	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	2130434	29-Aug-00	2180434
CH	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	9	29-Apr-98	3
DE	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	9	29-Apr-98	35
ES	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	9	29-Apr-98	3
FR	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	9	29-Apr-98	3
GB	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	9	29-Apr-98	3
IT	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	9	29-Apr-98	3
RU	B900260	Enhanced Electronic Metering Testing	05-Nov-92	9	29-Apr-98	3
UA	B900260	Method and Apparatus for Electrical Meter Testing	05-Nov-92	94038429	10-Aug-98	2117305
MX	B900260	Enhanced Electronic Metering Testing	05-Nov-92	94085727	15-Mar-01	34450
AR	B900260	Enhanced Electronic Metering Testing	11-Nov-92	9206458	14-Aug-96	182404
CN	B900260	Method and Apparatus for Electronic Meter	27-Nov-92	323775	27-Jul-98	252265
AU	B900260	Enhanced Electronic Metering Testing	19-Jan-93	5	14-Apr-00	55591
AU	B900260	Method and Apparatus for Electronic Meter Testing	25-Mar-97	1657397		689059
CH	B900260	Enhanced Electronic Metering Testing	25-Mar-97	1657297		688711
DE	B900260	Enhanced Electronic Metering Testing	16-Jul-97	4	06-Jun-01	0803741
ES	B900260	Method and Apparatus for Electronic Testing of Electricity Meters	16-Jul-97	4	06-Jun-01	0
FR	B900260	Method and Apparatus for Electronic Testing of Electricity Meters	16-Jul-97	4	06-Jun-01	0803741
GB	B900260	Method and Apparatus for Electronic Testing of Electricity Meters	16-Jul-97	4	06-Jun-01	0803741
IT	B900260	Method and Apparatus for Electronic Testing of Electricity Meters	16-Jul-97	4	06-Jun-01	0803741
CN	B900260	Enhanced Electronic Metering Testing	16-Jul-97	4	06-Jun-01	0803741
EP	B900260	Enhanced Electronic Metering Testing	24-Nov-98	5		
CA	B900260	Enhanced Electronic Metering Testing	05-Nov-92	0		
HK	B900260	Method and Apparatus for Electronic Meter Testing	05-Nov-92	2287014		
US	B900270	Enhanced Electronic Metering Testing	28-Mar-00	9		
US	B90027E	Apparatus for Metering at Least One Type of Electrical Power Over a Predetermined...	12-Feb-01	09/781501		
US	B900280	Apparatus for Metering at Least One Type of Electrical Power Over a Predetermined...	15-Feb-02	10/076990		
US	B960080	Method and Apparatus for Identification Electronic Meter Function Capabilities	18-Jun-91	716911	22-Dec-92	5173657
CA	B960090	Mating Ring For A Meter Cover and Base Assembly	16-Jan-98	008690	28-Sep-99	5959243
CA	B960470	Mating Ring For A Meter Cover and Base Assembly	15-Jan-99	2259077		
EP	B960470	Energy Meter With Power Quality Monitoring and Diagnostic Systems	16-Oct-97	2269499		
AU	B960470	Energy Meter With Power Quality Monitoring and Diagnostic Systems	16-Oct-97	0		
BR	B960470	Energy Meter With Power Quality Monitoring and Diagnostic Systems	16-Oct-97	4818397		
		Energy Meter With Power Quality Monitoring and Diagnostic Systems	16-Oct-97	7-1		

Land	Docket	Title	Filed	Serial No.	Issued	Patent No.
MX	B960470	Energy Meter With Power Quality Monitoring and Diagnostic Systems	16-Oct-97	9903674		
CN	B960470	Energy Meter With Power Quality Monitoring and Diagnostic Systems	16-Oct-97	4		
RO	B960470	Energy Meter With Power Quality Monitoring and Diagnostic Systems	16-Oct-97	99-00454		
AR	B960470	Energy Meter With Power Quality Monitoring and Diagnostic Systems	22-Oct-97	78		
AU	B960470	Energy Meter With Power Quality Monitoring and Diagnostic Systems	22-Jun-01	5406701		
US	B970141	Energy Meter With Multiple Protocols For Communication With Local and Wide Area Networks	07-Aug-97	908728	13-Jul-99	5923269
CA	B970160	Broadcast Technology for an Automatic Meter Reading System	24-Mar-98	2233104		
US	B970161	Automatic Meter Reading System Employing Common Broadcast Command Channel	13-Mar-00	09/524200		
US	B970170	Repeater for Automatic Meter Reading System	06-Jun-97	870640	23-Feb-99	5874903
CA	B970170	Repeater for Automatic Meter Reading System	02-Jun-98	2292695		
GB	B970170	Repeater for Automatic Meter Reading System	02-Jun-98	9927652.9		
IN	B970170	Repeater for Automatic Meter Reading System	03-Jun-98	8		
AR	B970170	Repeater for Automatic Meter Reading System	05-Jun-98	54		
CL	B970170	Repeater for Automatic Meter Reading System	08-Jun-98	126798		
AR	B970210	Electronic Metering System	12-Feb-98	44		
AU	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	64534/98		
BR	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	6-7		
CA	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	2322584		
EP	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	9		
KR	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	7009987		
MX	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	0008802		
NO	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	20004486		
PL	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	P344080		
RU	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	704539		
RO	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	09-Mar-98	00896		
US	B970212	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	31-May-00	09/583506	26-Mar-02	6363057
HK	B970210	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	06-Jun-01	5		
US	B970214	Remote Access to Electronic Meters Using a TCP/IP Protocol Suite	10-Oct-01	09/975582		
EP	B970470	Automatic Meter Reading System	11-Sep-98	1		
MX	B970470	Automatic Meter Reading System	11-Sep-98	0002496		
AU	B970470	Automatic Meter Reading System	11-Sep-98	719034		
CA	B970470	Automatic Meter Reading System	11-Sep-98	2303064		
CA	B970560	Telecommunication Off-Hook and Intrusion Detection Method and Apparatus	21-Dec-98	2256805		
US	B970590	Half-Wave Drive Circuit for Meter Disconnect Switch	03-Dec-97	984204	10-Nov-98	5835331
US	B970630	Electrical Energy Meter With Snap Fit Interlocking Parts	09-Feb-98	20797	12-Oct-99	5966010
CA	B970630	Electrical Energy Meter With Snap Fit Interlocking Parts	08-Feb-99	2261399		
CA	B980020	Stackable Plastic Cover	23-Jun-99	2276225		
MX	B980020	Stackable Plastic Cover	24-Jun-99	9906006		

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US	B980021	Meter Cover	24-Jun-98	29/089858	17-Aug-99	D412859
MX	B980021	Design for Meter Cover	09-Dec-98	981250	09-Aug-00	11701
CA	B980021	Meter Cover	16-Dec-98	1998-3050	30-Apr-99	86549
LB	B980250	Method and Apparatus For New Electric Meter Tamper Detection Using Apparent...	12-May-99	0483597		
RU	B980250	Apparatus and Method For Detecting Tampering In A Multiphase Meter	14-May-99	66		
SE	B980250	Apparatus and Method For Detecting Tampering In A Multiphase Meter	14-May-99	0004139-2		
HK	B980250	Apparatus and Method for Detecting Tampering in a Multiphase Meter	30-Oct-01	3		
US	B503610	Improved Coherent Phase Shift Keyed Demodulator for Power Line Communication Systems	09-Feb-83	465232	07-May-85	4516079
CA	B503610	Improved Coherent Phase Shift Keyed Demodulator for Power Line Communication Systems	09-Feb-84	447087	18-Nov-86	1214227
CA	B509370	Apparatus for Transmitting and Receiving a Power Line Carrier Signal	23-Jan-85	472674	04-Apr-89	1252167
US	B509371	Apparatus for transmitting and receiving a power line	02-Apr-87	35255	24-May-88	4746897
US	B530980	Power Line Communication Interference Preventing Circuit	17-Jun-86	875154	23-Aug-88	4766414
CH	B530980	Power Line Communication Interference Preventing Circuit	17-Jun-87	9	08-Jul-92	0251568
FR	B530980	Power Line Communication Interference Preventing Circuit	17-Jun-87	9	08-Jul-92	0251568
GB	B530980	Power Line Communication Interference Preventing Circuit	17-Jun-87	9	08-Jul-92	0251568
US	B553821	Automated Data Transmission System	06-Jan-92	815886	09-Mar-93	5193111
US	B910030	Method and Apparatus for Measuring and Unknown Voltage, and Power Meter Employing the Same	21-Feb-92	07839789	26-Oct-93	5256979
MX	B910030	Voltage Measurement With Resistor Divider of Unknown...	05-Nov-92	9206349	17-Aug-95	179237
AU	B910030	Method and Apparatus for Measuring Voltage	06-Nov-92	3128793	05-Sep-95	659259
BR	B910030	Method and Apparatus for Measuring Voltage	06-Nov-92	9-2	16-May-00	9
CA	B910030	Method and Apparatus For Measuring Voltage	06-Nov-92	2130093	28-Apr-98	2130093
CH	B910030	Method and Apparatus for Measuring Voltage	06-Nov-92	1	21-Jul-99	4
DE	B910030	Method and Apparatus for Measuring Voltage	06-Nov-92	1	21-Jul-99	4
ES	B910030	Voltage Measurement With Resistor Divider of Unknown...	06-Nov-92	1	21-Jul-99	4
FR	B910030	Voltage Measurement With Resistor Divider of Unknown...	06-Nov-92	1	21-Jul-99	4
GB	B910030	Voltage Measurement With Resistor Divider of Unknown...	06-Nov-92	1	21-Jul-99	4
IT	B910030	Voltage Measurement With Resistor Divider of Unknown...	06-Nov-92	1	21-Jul-99	4
CN	B910030	Voltage Measurement With Resistor Divider of Unknown...	21-Dec-92	4	08-Apr-98	4
RU	B910030	Voltage Measurement With Resistor Divider of Unknown...	06-Nov-92	94046440	20-Dec-99	2143120
UA	B910030	Voltage Measurement With Resistor Divider of Unknown...	06-Nov-92	94085723	12-Nov-99	26813
HK	B910030	Voltage Measurement With Resistor Divider of Unknown...	23-Dec-98	3		
AR	B910030	Voltage Measurement With Resistor Divider of Unknown Values Through...	27-Nov-92	323776	30-Nov-98	252892
US	B960211	Current Measurement Methods and Apparatus Employing Second Harmonic Scaling	07-Aug-97	908208	25-May-99	5907241
CA	B960210	Current Measurement Methods and Apparatus Employing Second Harmonic Scaling	27-Aug-97	2265863		
BR	B960210	Current Measurement Methods and Apparatus Employing Second Harmonic Scaling	27-Aug-97	5-0		
MX	B960210	Current Measurement Methods and Apparatus Employing Second Harmonic Scaling	27-Aug-97	9902283		
CA	B960270	Communications Module Based Repeater	26-Mar-98	2285334		
CA	B960291	Electrical Energy Meter Oscillator Compensation	01-Oct-97	2269688		

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BR	B960291	Electrical Energy Meter Oscillator Compensation	01-Oct-97	9-8		
CN	B960291	Electrical Energy Meter Oscillator Compensation	01-Oct-97	6		
KR	B960291	Electrical Energy Meter Oscillator Compensation	01-Oct-97	7003524		
AR	B960291	Methods and Apparatus for Oscillator Compensation in an Electrical Energy Meter	22-Oct-97	77	17-Oct-01	B1
HK	B960291	Methods and Apparatus for Oscillator Compensation in an Electrical Energy Meter	03-May-00	1		
US	B970200	Apparatus and Method to Detect Tampering With An Electronic Utility Meter	08-Sep-97	925542	17-Aug-99	5940009
US	B970420	Mapping Interface for a Distributed Server to Translate Between Dissimilar File Formats	21-May-98	82758	06-Mar-01	6198068
BR	B970711	System and Method for Detecting Voltage and Current Imbalance in an Electrical Energy Supply	18-Nov-98	9-3	25-Jun-02	2312723
CA	B970711	System and Method for Detecting Voltage and Current Imbalance in an Electrical Energy Supply	18-Nov-98	2312723		
MX	B970711	System and Method for Detecting Voltage and Current Imbalance in an Electrical Energy Supply	18-Nov-98	0005533		
RO	B970711	System and Method for Detecting Voltage and Current Imbalance in an Electrical Energy Supply	18-Nov-98	00577		
RU	B970711	System and Method for Detecting Voltage and Current Imbalance in an Electrical Energy Supply	18-Nov-98	33		
US	B970711	System and Method for Detecting Voltage and Current Imbalance in an Electrical Energy Supply	18-Nov-98	09/555553	12-Jun-01	6246332
AU	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	1210400		
BR	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	8-6		
CA	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	2344425		
EP	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	7		
DE	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	1		
KR	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	7014173		
MX	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	95		
RO	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	00373		
RU	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	86		
GB	B980360	System and Method For Frequency Compensation In An Energy Meter	19-Oct-98	724325		
US	B524550	Switch Bypass Circuit For Power Line Communications Systems	14-Aug-85	06/765470	11-Aug-87	4686382