

#### (12) United States Design Patent (10) Patent No.: US D439,535 S (45) **Date of Patent: \*\*** Mar. 27, 2001 Cowan et al.

#### ELECTRIC METER DRAWOUT CASE (54)

- Inventors: Peter C. Cowan, Sidney; Markus F. (75)Hirschbold, Victoria; Werner **Reinhard Simbeck**, Mill Bay; I. Ross Macfarlane, Victoria, all of (CA)
- Assignee: Power Measurement Ltd. (CA) (73)
- 14 Years (\*\*` Term:

"MAXsys<sup>®</sup> 2510 Substation/High–End Direct Access Meter," *Siemens* brochure (MAX2510DSO, Apr. 1998). "7330 ION®" Digital 3-Phase Power Meter, Power Measurement, brochure, revised Jul. 23, 1998, first published Feb. 1, 1998, pp. 1–6. "7700 ION®" 3–Phase Power Meter Analyzer and Controller, Power Measurement, brochure, revised Dec. 8, 1998, first published Mar. 31, 1995. "MARK–V Digital True RMS Energy Meter," TransData, Inc., Bulletin.

Appl. No.: 29/110,659 (21)

Sep. 7, 1999 (22)Filed:

- LOC (7) Cl. ..... 10-04 (51)
- (52)
- (58)D10/103; 324/119, 136, 142, 157, 116; 364/483; 377/20

**References Cited** (56)

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(List continued on next page.)

*Primary Examiner*—Antoine Duval Davis (74) Attorney, Agent, or Firm—Brinks Hofer Gilson & Lione

#### CLAIM (57)

The ornamental design for an electric meter drawout case, as shown and described.

### DESCRIPTION

FIG. 1 is a bottom front perspective view of the electric

"PowerPlus Alpha® Meter," ABB Network Partner, brochure (May 1997).

"Alpha Solid State Polyphase Meter (Watts, VARs, VA)," ABB Power T&D Company Inc. Bulletin 42–270–B, pp. 1-12, Sep. 15, 1995.

"Vectron® SVX Solid-State Polyphase Meters," Schlumberger, Bulletin 11314 (Mar., 1996).

"QUAD4<sup>®</sup> Plus and MAXsys<sup>®</sup> Meters and IEDs," Siemens Power Transmission & Distribution, LLC, ST&D Meter Division, Charlotte, NC 28273, Brochure, pp. 1–13, (Apr. 1998).

meter drawout case of the invention; FIG. 2 is a rear perspective view of the electric meter drawout case illustrated in FIG. 1; FIG. 3 is a front view thereof; FIG. 4 is a top view thereof; FIG. 5 is a right side view thereof; FIG. 6 is a left side view thereof; FIG. 7 is a bottom view thereof; and, FIG. 8 is the rear end view thereof.

### 1 Claim, 5 Drawing Sheets



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"ISO—Specification MTR1–96, Engineering Specification For Polyphase Solid–State Electricity Meters For Use On The ISO Grid," Exhibit A, pp. 1–42 (1997).

"Specifications For Approval Of Type of Electricity Meters, Instrument Transformers And Auxiliary Devices," *Consumer and Corporate Affairs Canada*. International Standard, Amendment 1 to Publication 868 (1986), *International Electrotechnical Commission*, Modification 1 (1986).

International Standard, Electromagnetic Compatibility (EMC)—Part 4: Testing and measurement techniques— Section 15: Flickermeter—Functional and design specifications, *International Electrotechnical Commission*, 61000 4–15 (1997).

U.S. Design patent application Ser. No. 29/109,153, entitled "Electric Meter Cover", to Cowan, et al., filed Aug. 9, 1999.U.S. Design patent application Ser. No. 29/108,224, entitled "Electric Meter Face Cover", to Simbeck, et al., filed Jul. 21, 1999.

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U.S. Design patent application Ser. No. 29/108,165, entitled "Electric Meter", to Simbeck, et al., filed Jul. 21, 1999.

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Fig. 6

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Fig. ン



Fig. 8

### UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

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: Des 439,535 S PATENT NO. : March 27, 2001 DATED INVENTOR(S) : Peter C. Cowan et al.

> It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:



Item [75], delete "Sidney;" and substitute -- Victoria; -- in its place. OTHER PUBLICATIONS, insert -- " -- (opening quotations) before "International" and insert -- " -- (closing quotations) after "energy". Insert -- " -- (opening quotations) before "International" and insert -- " -- (closing quotations) after "specifications,".

### Signed and Sealed this

Twenty-first Day of May, 2002



Attest:

JAMES E. ROGAN Director of the United States Patent and Trademark Office

Attesting Officer