

Title (en)
EXPANSION MODULE FOR MODULAR METER

Title (de)
ERWEITERUNGSMODUL FÜR MODULAREN ZÄHLER

Title (fr)
MODULE D'EXPANSION POUR DISPOSITIF DE MESURE MODULAIRE

Publication
EP 1046042 A4 20010613 (EN)

Application
EP 99902147 A 19990108

Priority
• US 9900510 W 19990108
• US 7094698 P 19980109

Abstract (en)
[origin: WO9935506A2] An electronic utility meter includes a sensor module, a measurement module, and a removable expansion module. The sensor module connects to the electrical system of a facility, and includes voltage and current sensors. The voltage and current sensors are operable to receive voltage and current signals from the electrical system and generate measurements signals therefrom. The measurement module includes a measurement circuit operable to receive measurement signals and generate energy consumption data therefrom. The measurement module further includes a device for communicating information relating to the energy consumption data. The measurement module is configured to couple to the sensor module to connect the measurement circuit to the voltage and current sensors. The removable module is interposed between the sensor module and the measurement module. The removable module operably couples the measurement circuit to the voltage and current sensors.

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G08B 23/00; G08C 15/06; G08C 19/20; G01R 1/00; G01R 29/00; G01R 7/00; G01R 11/32; G06F 17/00; G06G 7/48

IPC 8 full level
G01R 11/04 (2006.01); **G01R 22/00** (2006.01)

CPC (source: EP)
G01R 22/00 (2013.01); **G01R 22/065** (2013.01)

Citation (search report)
• [XA] EP 0420534 A2 19910403 - GEN ELECTRIC [US]
• [A] CH 684215 A5 19940729 - LANDIS & GYR BUSINESS SUPPORT
• [A] US 4791362 A 19881213 - PHILPOT LUDLOW [US]
• [A] EP 0511482 A1 19921104 - LANDIS & GYR BETRIEBS AG [CH]
• [A] EP 0598520 A2 19940525 - GEN ELECTRIC CO PLC [GB]
• [A] US 4963820 A 19901016 - MEDLIN ROGER E [US]
• See references of WO 9935506A2

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EP3351944A1

Designated contracting state (EPC)
CH DE FI FR GB LI SE

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WO 9935506 A2 19990715; **WO 9935506 A3 20000203**; AU 2219499 A 19990726; EP 1046042 A2 20001025; EP 1046042 A4 20010613

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US 9900510 W 19990108; AU 2219499 A 19990108; EP 99902147 A 19990108