

Title (en)
POWER METER

Title (de)
LEISTUNGSMESSGERAT

Title (fr)
COMPTEUR ELECTRIQUE

Publication
EP 0688434 A1 19951227 (EN)

Application
EP 94909198 A 19940311

Priority
• GB 9400492 W 19940311
• GB 9305230 A 19930313

Abstract (en)
[origin: GB2285693A] An apparatus for measuring electrical power is described wherein the apparatus is adapted to produce an output signal proportional to the product of a supply voltage and current flowing through a connected load. A first signal proportional to the supply voltage and a second signal proportional to the load current are used to inverse modulate (at 5 and 4 respectively Fig. 1 not shown) the period of two constant frequency carrier signals. Third and fourth signals derived from the modulated signals are transmitted to a microprocessor, for example via electrical isolating devices 7 and 6. Intervals between successive pulses at 10 are digitised by subtracting counts of a cycling counter at successive pulses. The average interval corresponding to zero voltage is subtracted to give an instantaneous voltage value which is multiplied with a similarly derived current value to give instantaneous power consumption. <IMAGE>

IPC 1-7
G01R 21/133; **G01R 19/252**

IPC 8 full level
G01R 19/252 (2006.01); **G01R 21/133** (2006.01)

CPC (source: EP)
G01R 19/252 (2013.01); **G01R 21/133** (2013.01)

Citation (search report)
See references of WO 9422024A1

Designated contracting state (EPC)
AT BE DE DK ES FR GR IE IT NL SE

DOCDB simple family (publication)
GB 2285693 A 19950719; **GB 2285693 B 19970521**; **GB 9506331 D0 19950517**; AU 6212894 A 19941011; AU 679729 B2 19970710; EP 0688434 A1 19951227; ES 2081786 T1 19960316; FI 954297 A0 19950913; FI 954297 A 19951013; GB 2276011 A 19940914; GB 2276011 B 19970514; GB 2285692 A 19950719; GB 9305230 D0 19930428; GB 9506330 D0 19950517; GR 960300002 T1 19960229; JP H08507609 A 19960813; NO 953609 D0 19950913; NO 953609 L 19950913; WO 9422024 A1 19940929

DOCDB simple family (application)
GB 9506331 A 19930313; AU 6212894 A 19940311; EP 94909198 A 19940311; ES 94909198 T 19940311; FI 954297 A 19950913; GB 9305230 A 19930313; GB 9400492 W 19940311; GB 9506330 A 19930313; GR 960300002 T 19960229; JP 52075994 A 19940311; NO 953609 A 19950913