

Title (en)  
SYSTEM FOR MONITORING UTILITY USAGE.

Title (de)  
SYSTEM ZUR ÜBERWACHUNG DER INANSPRUCHNAHME ÖFFENTLICHER VERSORGUNGSBETRIEBE.

Title (fr)  
SYSTEME DE CONTROLE DE L'UTILISATION D'UN SERVICE PUBLIC.

Publication  
**EP 0075555 A4 19850918 (EN)**

Application  
**EP 81901827 A 19810406**

Priority  
US 8100438 W 19810406

Abstract (en)  
[origin: WO8203482A1] Electronic circuitry monitors the electrical energy consumption of a system and displays the current cost of the energy usage. The projected monthly billing cost is calculated at the current rate of consumption, and an alarm signal and control output are generated if the projected cost is higher than a budget amount. Energy consumption is sensed optically at the electric meter (3) and a proportional number of high frequency pulses are added to the household electrical network. These pulses are remotely sensed at any point within the household electrical network and are fed to a microprocessor (50) for counting and conversion to cost parameters. Clock pulses are also directed to the microprocessor (50) for calculating the billing period and for displaying time parameters. A keyboard (70) enables initializing and modifying the cost and time parameters in the microprocessor (50).

IPC 1-7  
**G06F 15/20**; **G01R 19/04**

IPC 8 full level  
**G01R 21/133** (2006.01); **G06Q 30/00** (2006.01)

CPC (source: EP)  
**G01R 21/133** (2013.01); **G06Q 30/04** (2013.01)

Citation (search report)  
• [Y] WO 8002613 A1 19801127 - TRON INC I [US]  
• [Y] FR 2399068 A1 19790223 - ETTER BERWYN [US]  
• [Y] GB 1593385 A 19810715 - PLESSEY CO LTD  
• [Y] US 4204115 A 19800520 - BOLDRIDGE AUSTIN G JR [US]

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CN109245176A

Designated contracting state (EPC)  
AT CH DE FR GB LI LU NL SE

DOCDB simple family (publication)  
**WO 8203482 A1 19821014**; AU 7371981 A 19821019; EP 0075555 A1 19830406; EP 0075555 A4 19850918; JP S58500785 A 19830512

DOCDB simple family (application)  
**US 8100438 W 19810406**; AU 7371981 A 19810406; EP 81901827 A 19810406; JP 50224281 A 19810406