

Title (en)
Timed power saving device.

Title (de)
Zeitlich abgestimmte Energieeinsparungsvorrichtung.

Title (fr)
Dispositif pour économiser de l'énergie en fonction du temps.

Publication
EP 0536877 A1 19930414 (EN)

Application
EP 92307296 A 19920810

Priority
BR 9103451 A 19910809

Abstract (en)
Device for decreasing electrical power consumption in inductive or resistive loads and particularly for decreasing electrical power consumption in public lighting systems. Based on the elimination of the sinusoidal half-wave and on the continuity through the action of a fixed or variable resistor, the saver overcomes the disadvantages of present devices, may be used in any type of lamp or resistive or inductive load, has programmable timing, extends the life of lamps, may be connected to a lamp or to a group of lamps, its cost is low, saves power and its size is small. In one embodiment the invention provides an electrical diagram of a first embodiment of the timing and power saving device for discharge lamps (Hg steam, sodium steam, metallic steam, etc.) comprising an electronic timer 1, connected in parallel to a half-wave rectifying diode 2 and four fixed value resistors 3 arranged parallel therebetween and selectable by switches 4, all connected to a phase conductor 5, and in series with a resistive load 6, normally a lamp or a group of lamps which is arranged in parallel to a conductor 7, which is of neutral or of another phase. <IMAGE>

IPC 1-7
H05B 37/02; **H05B 41/36**

IPC 8 full level
G05F 1/10 (2006.01); **H05B 37/02** (2006.01); **H05B 39/04** (2006.01); **H05B 41/40** (2006.01)

CPC (source: EP)
H05B 39/041 (2013.01); **H05B 41/40** (2013.01)

Citation (search report)
• [A] EP 0143884 A1 19850612 - AREX IND INC [JP]
• [A] DE 3438003 A1 19860417 - PHILIPS PATENTVERWALTUNG [DE]

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