

Title (en)
ENERGY MANAGEMENT CONTROL SYSTEM

Title (de)
LEISTUNGSSTEUERUNG ÜBERWACHUNGSANORDNUNG

Title (fr)
SYSTEME DE GESTION DE L'ENERGIE

Publication
EP 0878114 A1 19981118 (EN)

Application
EP 96900490 A 19960115

Priority
• CA 9600035 W 19960115
• CA 2140559 A 19950116
• US 37315695 A 19950117

Abstract (en)
[origin: WO9622668A1] An energy saving lighting control system for operating fluorescent light fixtures is provided with means for controlling the light level according to the light required for the task being done in the area. Ambient light available from sources outside of the controlled area such as daylight can be harvested to reduce the amount of artificial lighting required. A method of providing sensor inputs to detect occupancy in the controlled area provides control signals to the lighting control system which are used to reduce the light level or turn light fixtures off at times when the area is not occupied. A method of providing a central control of the operation of the lighting system can provide time-of-day scheduling, can provide minimum and maximum lighting levels, and can provide calibration and set-points for response times to various sensor inputs. In order to minimize the installation cost of the lighting control system, the system is provided with components that can be controlled using signals carried along the power conductors that provide primary operative power to the lighting fixtures. Special circuitry in the ballasts for fluorescent lamps provides a starting sequence and operating conditions that maximize the life of the lamps which therefore minimizes maintenance costs.

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

IPC 8 full level
H05B 37/02 (2006.01); **H05B 41/36** (2006.01)

CPC (source: EP US)
H05B 41/36 (2013.01 - EP US); **H05B 47/10** (2020.01 - EP US); **Y02B 20/40** (2013.01 - EP)

Citation (search report)
See references of WO 9622668A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9622668 A1 19960725; AU 4429096 A 19960807; EP 0878114 A1 19981118

DOCDB simple family (application)
CA 9600035 W 19960115; AU 4429096 A 19960115; EP 96900490 A 19960115