

Title (en)

Monitoring circuit for a two lamp system

Title (de)

Schaltungsanordnung zum Überwachen des Lampenbetriebs mindestens zweier Leuchtstofflampen

Title (fr)

Circuit de surveillance de l'état de fonctionnement d'un système à deux lampes

Publication

EP 0746185 B1 19990728 (DE)

Application

EP 95108385 A 19950531

Priority

EP 95108385 A 19950531

Abstract (en)

[origin: EP0746185A1] The circuit monitors the function of at least two fluorescent lamps (LL1,LL2), using a detection network (R1,...R7, C1,D1) connected to the lamp current circuits and coupled to a control circuit (5) for a switch (V3,RE,S1) allowing the lamps to be connected in parallel upon detection of lamp failure. The control circuit has a storage capacitor coupled to the detection network as the input element, its charge corresponding to the voltage across the monitored lamp current circuits, with two alternatively-activated switch stages (V1,R8,..R10,C3 ; V2,D3,D4, R11,...R14, C4), with different response thresholds used to provide the switching signals for the controlled switch.

IPC 1-7

H05B 41/29

IPC 8 full level

H05B 41/285 (2006.01)

CPC (source: EP)

H05B 41/2855 (2013.01)

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0746185 A1 19961204; EP 0746185 B1 19990728; AT E182737 T1 19990815; DE 59506476 D1 19990902

DOCDB simple family (application)

EP 95108385 A 19950531; AT 95108385 T 19950531; DE 59506476 T 19950531