

Title (en)
Safety shutdown in case of asymmetrical power consumption

Title (de)
Sicherheitsabschaltung bei asymmetrischer Lampenleistung

Title (fr)
Mise hors circuit de sécurité en cas de regime asymétrique

Publication
EP 0808084 A3 19980422 (DE)

Application
EP 97107206 A 19970430

Priority
DE 19619580 A 19960515

Abstract (en)
[origin: EP0808084A2] The lamp operating circuit has a safety cut-out device responding to a DC voltage (UC3) across a coupling capacitor (C3) connected in series with the lamp, when a DC current component flows through the lamp. The safety cut-out device may have a threshold stage which is triggered by the DC voltage across the coupling capacitor and by the intermediate circuit voltage exceeding a given value.

IPC 1-7
H05B 41/29

IPC 8 full level
H05B 41/295 (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP US)
H05B 41/2985 (2013.01 - EP US)

Citation (search report)
• [X] EP 0696157 A1 19960207 - OSRAM SYLVANIA INC [US]
• [X] EP 0681414 A2 19951108 - OSRAM SYLVANIA INC [US]
• [A] US 5023516 A 19910611 - ITO KAZUHIKO [JP], et al
• [A] EP 0056481 A2 19820728 - TOSHIBA ELECTRIC EQUIP [JP]
• [A] EP 0411618 A2 19910206 - ZUMTOBEL AG [AT]
• [A] DE 4100349 A1 19910801 - SIEMENS AG [DE]

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EP1765042A3; EP1189487A3

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0808084 A2 19971119; EP 0808084 A3 19980422; EP 0808084 B1 20010627; CA 2205323 A1 19971115; CA 2205323 C 20050322; DE 19619580 A1 19971120; DE 59703889 D1 20010802; US 5939832 A 19990817

DOCDB simple family (application)
EP 97107206 A 19970430; CA 2205323 A 19970514; DE 19619580 A 19960515; DE 59703889 T 19970430; US 85399697 A 19970509