

Title (en)
CIRCUIT FOR OPERATING A FLUORESCENT LAMP

Publication
EP 0453888 A3 19930113 (DE)

Application
EP 91105758 A 19910411

Priority
DE 4013360 A 19900426

Abstract (en)
[origin: EP0453888A2] A fluorescent lamp (1) is intended to be illuminated by means of a circuit arrangement at 100% brightness in normal operation and at a reduced brightness in dimmed operation. An inductor (4) and a switch (5), which switches in a phase-shifted manner, are provided. In order to permit operation of the lamp (1) without a transformer, even when the mains AC voltage is close to its burning voltage, the switch (5) is switched on and off periodically even in normal operation, so that the inductor (4) generates a voltage pulse (U3, U5) which supplies the necessary lamp voltage (UL) in each case at a moment when the necessary burning voltage of the lamp (1) is greater than the mains AC voltage (U1 or U2). <IMAGE>

IPC 1-7
H05B 41/392; **H05B 41/04**

IPC 8 full level
H05B 41/04 (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP)
H05B 41/044 (2013.01); **H05B 41/3924** (2013.01)

Citation (search report)
• [Y] US 4503359 A 19850305 - WATANABE YOSHIO [JP], et al
• [YD] DE 3327189 A1 19850207 - DIEHL GMBH & CO [DE]
• [A] EP 0046395 A1 19820224 - GEN ELECTRIC CO PLC [GB]

Cited by
EP0563716A1; DE4413946A1; DE4413946B4; WO03043387A1

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0453888 A2 19911030; **EP 0453888 A3 19930113**; DE 4013360 A1 19911114; DE 4013360 C2 19930408

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