

Title (en)
Electronic ballast.

Title (de)
Elektronisches Vorschaltgerät.

Title (fr)
Ballast électronique.

Publication
EP 0422255 B1 19940302 (DE)

Application
EP 89118713 A 19891009

Priority
EP 89118713 A 19891009

Abstract (en)
[origin: JPH03138896A] PURPOSE: To provide an electronic auxiliary switching device which can set the dimming of light in a region of specified ratios to normal luminous flux with a simple constitution and surely by increasing a resistance of a discharge section gradually, in the case of increasing the luminance of a fluorescent lamp and setting the resistance to the infinity in cutting off the discharge. CONSTITUTION: Upon adjustment of deviation RAW, which is derived by comparing a desired value SW and an actual value IW, at least one adjustment amount HMG is superposed, and the adjustment amount HMG is made to operate only on a lower limit of a luminance adjustment region of a fluorescent lamp LL. To this end, an auxiliary adjustment amount HMG is derived from a direct voltage at an electrode, which is not connected to a lamp choke coil L1 of the fluorescent lamp LL or from a light-emitting alternating voltage of the fluorescent lamp LL. Thus the switching device can set the dimming of light from the fluorescent lamp using a simple constitution and surely in a region from 10% down to 1% to normal luminous flux.

IPC 1-7
H05B 41/392

IPC 8 full level
H05B 41/392 (2006.01)

CPC (source: EP US)
H05B 41/3925 (2013.01 - EP US)

Cited by
EP0461441A1; DE102011082245B3; DE102011082239B3; EP1148768A3; EP0852453A1; EP1708549A3; EP0853445A1; DE102010031219A1; EP2059097A4; EP1395096A2; WO2013034386A1; US7330001B2; US7327099B2; WO2013034387A1; US8664894B2; DE202009004449U1; WO9846049A1; WO2011070470A1; US7973493B2; US8878462B2; EP1784062A1

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DOCDB simple family (publication)
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