

Title (en)

Ballast for at least one discharge lamp

Title (de)

Vorschaltgerät für mindestens eine Gasentladungslampe

Title (fr)

Ballast pour au moins une lampe à décharge

Publication

**EP 0707438 B1 19990929 (DE)**

Application

**EP 95116198 A 19951013**

Priority

- DE 4436705 A 19941013
- DE 19501695 A 19950120

Abstract (en)

[origin: EP0707438A2] The circuit has inverter switches (S1,S2) coupled in series, and operated in an alternating mode using signals from a control circuit (1). The switches connect with the load circuit that has series resonance stage having a coil (L1) and capacitor (C3). The circuit connects to the lighting tube via a coupling capacitor (C1). The other electrode of the lamp is connected to a heating transformer (T) that has a pair of primaries (T1,T3) and a pair of secondaries (T2,T4). A switch (S3) in the supply line controls the generation of the heating current.

IPC 1-7

**H05B 41/29**; **H05B 41/392**

IPC 8 full level

**H05B 41/295** (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP US)

**H05B 41/295** (2013.01 - EP US); **H05B 41/2985** (2013.01 - EP US); **H05B 41/3925** (2013.01 - EP US)

Cited by

AU761360B2; EP1675442A3; AU761194B2; NL2007337C2; CN103959916A; EP1519638A1; EP0853445A1; US5703441A; EP0877537A1; DE102011089113A1; US9363873B2; US6433490B2; DE102007027179A1; US6366031B2; WO2007039010A1; WO0072642A1; WO2013032337A1; WO2011061053A1; WO9716945A1; WO0072640A1; WO0069226A1; DE102007011646A1; DE102007011646B4; EP1316243B1; EP1872630B2

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

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