

Title (en)

Electronic ballast for fluorescent lamp

Title (de)

Elektronisches Vorschaltgerät für eine Leuchtstofflampe

Title (fr)

Ballast électronique pour lampe fluorescente

Publication

EP 1811817 B1 20090812 (EN)

Application

EP 07397003 A 20070105

Priority

FI 20065033 A 20060118

Abstract (en)

[origin: EP1811817A1] The invention relates to an electronic ballast for a fluorescent lamp, the lamp load circuit being connected between the inverter power switch devices (Q 1 , Q 2). The lamp load circuit comprises an inductor (L 1pri) and a capacitor (C 1) in a series connection with the lamp. The inductor (L 1pri) is cofunctionally complemented with a secondary inductor (L 1sec) that is connected to the same circuit with the transformer primary winding (T 1pri) for supplying the heating current energy from the secondary inductor (L 1sec) to the transformer primary winding (T 1pri). The secondary windings (T 1secA , T 1secB) are connected to the lamp cathodes. The transformer primary circuit incorporates a control device (Q 3) for varying the heating current under an active control dependent on the desired lamp intensity level.

IPC 8 full level

H05B 41/295 (2006.01)

CPC (source: EP FI)

H05B 41/295 (2013.01 - EP FI)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1811817 A1 20070725; EP 1811817 B1 20090812; AT E439757 T1 20090815; DE 602007001900 D1 20090924; FI 20065033 A0 20060118; FI 20065033 L 20070719

DOCDB simple family (application)

EP 07397003 A 20070105; AT 07397003 T 20070105; DE 602007001900 T 20070105; FI 20065033 A 20060118