

Title (en)

Electronic ballast, lighting device and method for operating same

Title (de)

Elektronisches Vorschaltgerät, Beleuchtungsgerät und Verfahren zum Betrieb dieser

Title (fr)

Ballast électronique, appareil d'éclairage et son procédé de fonctionnement

Publication

EP 2104403 B1 20131009 (DE)

Application

EP 09003869 A 20090318

Priority

DE 102008014996 A 20080319

Abstract (en)

[origin: EP2104403A1] The ballast has a converter with switching elements (S1, S2), whose switching operations are changed for generating voltage that alternates in its polarity at a lamp (LP) i.e. high pressure discharge lamp. The ballast is designed such that a transfer of energy stored in capacitive elements (C1-C3) is caused into an inductive element (L1) during a change of polarity by a steady switching condition of the switch elements. An increased voltage for the supply of a transition voltage is produced at the lamp by the energy under the avoidance of a resonance by the capacitive elements. An independent claim is also included for a method for operating an electronic ballast.

IPC 8 full level

H05B 41/288 (2006.01)

CPC (source: EP)

H05B 41/2882 (2013.01)

Cited by

WO2012031935A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2104403 A1 20090923; EP 2104403 B1 20131009; DE 102008014996 A1 20090924

DOCDB simple family (application)

EP 09003869 A 20090318; DE 102008014996 A 20080319