

Title (en)

AC ballast for electric discharge lamps

Title (de)

Wechselspannungs-Vorschaltgerät für elektrische Entladungslampen

Title (fr)

Ballast à courant alternatif pour lampes à décharge

Publication

EP 0596152 B1 19980610 (DE)

Application

EP 92119005 A 19921106

Priority

EP 92119005 A 19921106

Abstract (en)

[origin: EP0596152A1] An inductance (L) is connected by means of a first electronic switch (T1) to an input voltage (UN) and thereby charged. Discharging is carried out with the switch (T1) in the locked state, the discharge current flowing through the discharge lamp (EL). A control unit (SE) controls the charge and discharge cycles. The control unit (SE) specifies the cycle frequency of the charge and discharge cycles, or the maximum charge current (iO), as a function of the phase angle of the input voltage (UN) and terminates the respective cycle after the cycle duration has expired. By specifying the parameter characteristic stored in the control unit (SE), the power can be evened out without generating an impermissibly high harmonic component. <IMAGE>

IPC 1-7

H05B 41/29

IPC 8 full level

H05B 41/282 (2006.01)

CPC (source: EP)

H05B 41/2824 (2013.01)

Cited by

DE19619745A1; US6707285B2; WO0025555A1; WO0025556A1; WO02056452A3

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL

DOCDB simple family (publication)

EP 0596152 A1 19940511; EP 0596152 B1 19980610; AT E167352 T1 19980615; DE 59209374 D1 19980716

DOCDB simple family (application)

EP 92119005 A 19921106; AT 92119005 T 19921106; DE 59209374 T 19921106