

Title (en)
ELECTRONIC LAMP BALLAST

Title (de)
ELEKTRONISCHES VORSCHALTGERÄT

Title (fr)
BALLAST ELECTRONIQUE POUR LAMPE A DECHARGE

Publication
EP 1048190 B1 20030507 (DE)

Application
EP 98964410 A 19981119

Priority
• DE 19757667 A 19971223
• EP 9807426 W 19981119

Abstract (en)
[origin: WO9934648A1] The invention relates to an electronic lamp ballast for operating at least one gas-discharge lamp (G1, G2). The electronic lamp ballast comprises a control circuit (IC2), which monitors a voltage potential applied to the input connection (NP) and, depending on the value of the voltage potential, operates the gas-discharge lamp (G1, G2) with or without preheating. The voltage potential monitored by the control circuit (IC2) can in particular depend on the charge status of an energy storage circuit (R22, C17) which is charged while the gas-discharge lamp (G1, G2) is operating and is discharged at a certain time constant when the electronic lamp ballast is switched off. This allows for dynamic switching between cold-start and warm-start operations.

IPC 1-7
H05B 41/298

IPC 8 full level
H05B 41/298 (2006.01)

CPC (source: EP)
H05B 41/2981 (2013.01)

Designated contracting state (EPC)
AT CH DE ES FI FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9934648 A1 19990708; AT E240030 T1 20030515; AU 1962499 A 19990719; DE 59808310 D1 20030612; EP 1048190 A1 20001102; EP 1048190 B1 20030507; ES 2195438 T3 20031201; ZA 9811774 B 19990629

DOCDB simple family (application)
EP 9807426 W 19981119; AT 98964410 T 19981119; AU 1962499 A 19981119; DE 59808310 T 19981119; EP 98964410 A 19981119; ES 98964410 T 19981119; ZA 9811774 A 19981222