

Title (en)
Suppressor for an electronic ballast

Title (de)
Oberwellenfilter für ein elektronisches Vorschaltgerät

Title (fr)
Filtre d'harmoniques pour un ballast électronique

Publication
EP 0749269 A3 19980401 (EN)

Application
EP 96660026 A 19960607

Priority
FI 952974 A 19950616

Abstract (en)
[origin: EP0749269A2] The invention relates to a suppressor for an electronic ballast in a discharge lamp, which is connected between a ballast and a mains supply, including a supply-voltage rectifier (V1)) and a charging capacitor (C1), at least one energy-storing coil or inductance (L1) and an electronic switch element (V2) connected such that, when said switch element (V2) is conducting, a current path extends from the positive terminal of the rectifier (V1) through said switch and coil to its negative terminal and, when the switch (V2) is non-conducting, a current path extends from the positive terminal of the rectifier through a diode (V3) and the charging capacitor (C1) to its negative terminal. The switch element (V2) is controlled by means of a constant-frequency, permanent pulse-ratio control up to an operating point to be determined in view of a given momentary value of the mains voltage, whereafter the pulse ratio changes. <IMAGE>

IPC 1-7
H05B 41/29

IPC 8 full level
H05B 41/28 (2006.01)

CPC (source: EP)
H05B 41/28 (2013.01)

Citation (search report)

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- [A] EP 0431778 A1 19910612 - GEN ELECTRIC [US]
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- [X] OISHI H ET AL: "SINGLE-PHASE SWITCH-MODE RECTIFIER EMPLOYING VOLTAGE-REVERSAL CIRCUIT SWITCHED WITH A FIXED FREQUENCY", I.E.E. PROCEEDINGS: ELECTRIC POWER APPLICATIONS, vol. 142, no. 2, 1 March 1995 (1995-03-01), STEVENAGE,GB, pages 154 - 160, XP000513657
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