

Title (en)

Harmonic suppressor for an electronic ballast

Title (de)

Oberwellenfilter für ein elektronisches Vorschaltgerät

Title (fr)

Filtre d'harmoniques pour un ballast électronique

Publication

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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>

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