

Title (en)

Circuit with a pumping choke for improving the power factor

Title (de)

Schaltung mit Pumpstützdrossel, zur Verbesserung des Leistungsfaktors

Title (fr)

Circuit avec une inductance de pompage pour améliorer le facteur de puissance

Publication

**EP 0941636 B1 20020814 (DE)**

Application

**EP 98933520 A 19980513**

Priority

- DE 9801328 W 19980513
- DE 19725645 A 19970618

Abstract (en)

[origin: DE19725645A1] According to the invention, a pump support choke (L1) is added to a half bridge oscillatory circuit for a low-pressure discharge lamp (E) with a capacitive pumping branch. Said support choke improves the pumping action of the pumping branch and its frequency response characteristics. Furthermore, an additional capacitor (C1) is mounted between the pumping branch and the power supply branch connected thereto, said capacitor acting in conjunction with the pumping branch as a trapezoidal capacitor and further improving the frequency response characteristics of the pumping branch.

IPC 1-7

**H05B 41/28**; **H02M 1/12**

IPC 8 full level

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**DE 19725645 A1 19981224**; AU 741384 B2 20011129; AU 8332198 A 19990104; CA 2263696 A1 19981223; CA 2263696 C 20060110; CN 1229569 A 19990922; CN 1235448 C 20060104; DE 59805182 D1 20020919; EP 0941636 A1 19990915; EP 0941636 B1 20020814; JP 2000501565 A 20000208; JP 3338068 B2 20021028; KR 100431670 B1 20040517; KR 20000068179 A 20001125; US 6091207 A 20000718; WO 9858526 A1 19981223

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