

Title (en)
INVERTER FOR FEEDING DISCHARGE LAMPS

Publication
EP 0127101 B1 19870304 (DE)

Application
EP 84105786 A 19840521

Priority
DE 3319352 A 19830527

Abstract (en)
[origin: EP0127101A1] 1. An inverter comprising two switches (T1, T2) which can be alternately rendered conductive, and comprising a load circuit arranged parallel to the first switch (T1) and connected via the second switch (T2) to a d. c. voltage source (Q), and consisting of the series arrangement of a reversible oscillatory capacitor (C10), a series resonant circuit composed of a choke (L1) and a capacitor (C9), and a discharge lamp (LP) equipped with heatable electrodes, where these electrodes are arranged in the load circuit and are connected to one another via the capacitor (C9) of the series resonant circuit, and comprising a control set (S) which supplies control voltages which alternately render the switches conductive, characterised by a burning voltage sensor (B) which monitors the burning voltage of the lamp (LP) and supplies an output signal dependent upon the burning voltage and fed to the control set (S) to determine the frequency of the control voltages which it supplies.

IPC 1-7
H05B 41/29

IPC 8 full level
H05B 41/298 (2006.01)

CPC (source: EP)
H05B 41/2985 (2013.01)

Cited by
EP0241279A1; EP0359860A1; US5049790A; DE102008047440A1; EP0413991A1; US5039921A; DE102008031409A1; EP0435228A3; CN102084725A; EP0422255A1; US5066894A; GB2226463A; EP0396621A4; GB2180418A; WO0197574A3; WO2010000349A1; WO0007415A1; US6169375B1; US7719204B1; WO9107863A1; WO0024233A3

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0127101 A1 19841205; EP 0127101 B1 19870304; AT E25800 T1 19870315; DE 3319352 A1 19841129; DE 3462574 D1 19870409; FI 76906 B 19880831; FI 76906 C 19881212; FI 841794 A0 19840504; FI 841794 A 19841128

DOCDB simple family (application)
EP 84105786 A 19840521; AT 84105786 T 19840521; DE 3319352 A 19830527; DE 3462574 T 19840521; FI 841794 A 19840504