

Title (en)

DC-AC converter with two charging capacitors connected in series

Title (de)

Wechselrichterschaltung mit zwei in Reihe geschalteten Glättungskapazitäten

Title (fr)

Onduleur avec deux capacités de filtrage en série

Publication

EP 0585727 B1 19981118 (DE)

Application

EP 93113170 A 19930817

Priority

DE 4228682 A 19920828

Abstract (en)

[origin: EP0585727A1] A ballast for a gas-discharge lamp having a rectifier which is supplied from the mains, has two smoothing capacitors (220, 221) in a series circuit between its two outputs and, for its part, supplies an inverter which comprises two controllable switches (201, 202) which are arranged in series and are connected between the two inputs (A, B); a series circuit which is arranged in parallel with the two controllable switches (201,202) and consists of two further capacitors (218,219); and a series circuit consisting of a primary winding (209) of a saturable transformer, an inductor (215) and a parallel circuit comprising a capacitor (217) and the gas-discharge lamp (216), the series circuit connecting the centre tap of the two switches (201, 202) to the centre tap of the two further capacitors (218, 219), and the centre tap of the two further capacitors (218, 219) being connected via a conductor (222) to the centre tap of the two smoothing capacitors (220, 221). <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 (examination)

DE 4021640 A1 19920109 - ZUMTOBEL AG [AT]

Cited by

WO03041455A3; US7081709B2; US6731075B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0585727 A1 19940309; EP 0585727 B1 19981118; AT E173576 T1 19981215; DE 4228682 A1 19940303; DE 59309134 D1 19981224

DOCDB simple family (application)

EP 93113170 A 19930817; AT 93113170 T 19930817; DE 4228682 A 19920828; DE 59309134 T 19930817