

Title (en)
Transistor inverter device.

Title (de)
Transistorumformerapparat.

Title (fr)
Dispositif convertisseur à transistors.

Publication
EP 0078864 A1 19830518 (EN)

Application
EP 81109627 A 19811111

Priority
EP 81109627 A 19811111

Abstract (en)
Under control by a switching control circuit (12), a DC current fed from a DC power source (1) is fed alternately into switching transistors (2, 3) through an input winding (4a) of an output transformer (4). A composite signal of a fundamental wave component and a third harmonic component supplied from an output winding (4b) of the output transformer (4) to a high intensity discharge lamp (11) is detected by a winding (13), and a difference signal, i.e. a fundamental wave signal, between the composite signal and the third harmonic component detected by a winding (14) is applied as a switching control signal from the control circuit (12) to the bases of the switching transistors (2, 3).

IPC 1-7
H05B 41/29

IPC 8 full level
H05B 41/288 (2006.01)

CPC (source: EP)
H05B 41/2883 (2013.01)

Citation (search report)
[X] GB 2074801 A 19811104 - TOSHIBA ELECTRIC EQUIP

Cited by
US4630005A; GB2195843A; US7053564B2; US8049432B2; WO03077614A1; WO2010027390A3

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