

Abstract of the Disclosure

A bridge-type power converter has, in each phase, a inductor (L_1) connected between a connection point of said two switching elements (Q_1, Q_2) and an output terminal; capacitors (C_1, C_2) connected between the output terminal and a positive or negative side of a d.c. bus for changing an output voltage along a curve determined by a phenomenon of resonance with the reactor (L_1) when the semiconductor switching elements (Q_1, Q_2) operate, causing abrupt changes of a voltage at the connection point; diodes (D_3, D_4) for changing a current path at a time when the resonance goes approximately one quarter of period to thereby stop the resonance; and constant voltage diodes (ZD_1, ZD_2) for absorbing the energy stored in the inductor (L_1) during the resonance.