

Title (en)
SUPPLY APPARATUS

Publication
EP 0050132 B1 19840808 (DE)

Application
EP 81900980 A 19810414

Priority
• DE 3014472 A 19800415
• DE 3029656 A 19800805

Abstract (en)
[origin: WO8103103A1] In an apparatus for the supply of a direct current charge comprising, in the circuit for charging a charge inductance (L4), a main transistor (V6) operating as a switch, a protection capacitor (C17) in parallel with the main transistor reduces the losses caused by the switching of the state passing to the locked state, the discharge of the capacitor being delayed by a protection inductance. For remagnetizing said protection inductance, a free rating diode is used of which the short but high return current increases the losses caused by the switching of the locked state to the passing state. In order to eliminate such disadvantage, the protection inductance is arranged outside the charge circuit and its energy is used for additionally charging the charge capacitors (C8, C9) of an additional rectifier (G2).

IPC 1-7
H05B 41/29; H02M 3/155

IPC 8 full level
H05B 41/28 (2006.01)

CPC (source: EP)
H05B 41/28 (2013.01)

Citation (examination)
ETZ, Bd. 100, 1979, H. 13, S. 664-670

Designated contracting state (EPC)
AT CH FR GB LI NL SE

DOCDB simple family (publication)
WO 8103103 A1 19811029; EP 0050132 A1 19820428; EP 0050132 B1 19840808; FI 72015 B 19861128; FI 72015 C 19870309; FI 811180 L 19811016; IT 1137329 B 19860910; IT 8121037 A0 19810410

DOCDB simple family (application)
DE 8100059 W 19810414; EP 81900980 A 19810414; FI 811180 A 19810415; IT 2103781 A 19810410