

Title (en)
SUPPLY APPARATUS.

Title (de)
STROMVERSORGUNGSGERÄT.

Title (fr)
APPAREIL D'ALIMENTATION.

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Application
EP 81900980 A 19810414

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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).

Abstract (fr)
Dans un appareil d'alimentation d'une charge a courant continu comportant, dans le circuit de chargement d'une inductance de chargement (L4), un transistor principal (V6) fonctionnant comme commutateur, un condensateur de protection (C17) en parallele avec le transistor principal sert a la reduction des pertes provoquees par la commutation etant retardee par une inductance de protection. Pour la remagnetisation de cette inductance de protection, on utilise une diode a regime libre dont le courant de retour court mais eleve accroît les pertes provoquees par la commutation de l'etat bloqué a l'etat passant. Afin d'éviter cet inconvenient, l'inductance de protection est disposee a l'exterieur du circuit de charge et son energie est utilisee additionnellement pour le chargement de condensateurs de chargement (C8, C9) d'un redresseur supplementaire (G2).

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