

Title (en)

AUXILIARY SWITCHING CIRCUIT FOR A CHOPPING CONVERTER

Title (de)

KOMMUTIERUNGSHILFSSCHALTUNG FÜR EIN SCHALTNETZTEIL

Title (fr)

CIRCUIT D'AIDE A LA COMMUTATION D'UN CONVERTISSEUR A DECOUPAGE

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Application

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Abstract (en)

[origin: WO02073783A2] The invention relates to an auxiliary switching circuit (10) for a chopping converter comprising a first inductive element (L0) for serial energy storage with a free-wheel diode (DL) and a switch (K), in addition to a second inductive element (L) for di/dt control when the switch is closed, the auxiliary switching circuit comprising a magnetic circuit (11) whereby a main winding thereof is formed at least partially by the first inductive element (L0), also comprising means (L1, D1, L2, D2) for discharging the second inductive element when the switch is opened or closed, and means (L2, D2) for transferring the energy corresponding to the closure vis a vis said main winding.

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