

Title (en)
POWER SUPPLY METHOD FOR ELECTRICAL EQUIPMENT

Title (de)
VERSORGUNGSVERFAHREN FÜR EINE ELEKTRISCHE EINRICHTUNG

Title (fr)
PROCÉDÉ D'ALIMENTATION D'UN ÉQUIPEMENT ÉLECTRIQUE

Publication
EP 1396002 B1 20160720 (FR)

Application
EP 02745523 A 20020613

Priority
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• FR 0107855 A 20010615

Abstract (en)
[origin: FR2826200A1] The circuit includes an electromagnetic actuator (1) connected to a supply circuit (2), via a voltage converter raising the input voltage from 12V to 42V. The voltage converter is connected to the electromagnetic actuator by a capacitive element (5) enabling the storage of energy provided by the converter. This ensures an average current flow, without excessive peaks which are incompatible with the charging alternator. The circuit includes an electromagnetic actuator (1) connected to a supply circuit (2), the supply circuit comprising an accumulator (3) connected to a voltage converter (4). The accumulator provides a voltage of the order of 12V and is connected to an alternator for to be recharged. The voltage converter ensures a conversion of the input voltage of 12V to an output voltage of the order of 42V. The voltage converter is connected to the electromagnetic actuator by a capacitive element (5) enabling the storage of energy provided by the converter. The current is set to be at a value which is an average between two peak values. The power consumed depends on the operating conditions of the engine.

IPC 8 full level
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