

Title (en)

Electrical starter for an internal combustion engine with a protection device

Title (de)

Elektrostarter für einen Verbrennungsmotor mit einer Schutzvorrichtung

Title (fr)

Démarrreur électrique pour moteur à combustion interne muni d'un dispositif de protection

Publication

EP 1092867 B1 20100120 (DE)

Application

EP 00120966 A 20000927

Priority

DE 19949822 A 19991015

Abstract (en)

[origin: EP1092867A2] The control circuit (5) for an electric starting motor, at an internal combustion motor, is structured to determine the heating and/or the load on the starting motor, at least at one point of the motor (1), from the voltage waves in the main current circuit of the starter motor current (I). The threshold value transmitter (10) gives the set max. loading on the electric starter motor (1). A comparator uses the motor loading and the threshold value to generate a signal if the threshold value is breached upwards or downwards. On receipt of the signal, a cut-out (20) restricts the force flow to the IC motor (6), and cuts the current flow to the starter motor (1). The control circuit (5) registers the current (I) to the armature of the start motor (1) and the temp. of the motor carbon brushes.

IPC 8 full level

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CPC (source: EP US)

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