

Title (en)

ELECTRICAL STARTING ARRANGEMENT FOR INTERNAL COMBUSTION ENGINES WITH OVERLOAD PROTECTION

Title (de)

ELEKTRISCHE STARTVORRICHTUNG FÜR BRENNKRAFTMASCHINEN MIT ÜBERLASTSCHUTZ

Title (fr)

SYSTEME DE DEMARRAGE ELECTRIQUE POUR MOTEURS A COMBUSTION INTERNE AVEC PROTECTION CONTRE LES SURCHARGES

Publication

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Application

EP 01956286 A 20010622

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Abstract (en)

[origin: WO0216763A1] The invention relates to an electrical starting arrangement for internal combustion engines comprising a starter motor (11) and a starter relay (20). In the main circuit (23) of the starting arrangement, the switch contacts of the starter relay (20) are in series with the commutator track (12) of the starter motor (11) and the carbon brushes (31) thereof. An overload protector interrupts the main circuit on a starter motor overload, depending upon the current value and duration. In order to achieve an economical and reliable overload protection for the starter arrangement at least one section of the main circuit (23) situated within the starter motor (11), preferably at least one connector slot (36) for the carbon brushes (31) is embodied as a fusible protector.

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