

Title (en)

INERTIA CIRCUIT BREAKER FOR A MOTOR VEHICLE ELECTRIC STORAGE BATTERY

Title (de)

TRÄGHEITSBATTERIESCHALTER FÜR ELEKTRISCHEN AKKUMULATOR VON KRAFTFAHRZEUGEN

Title (fr)

COUPE-BATTERIE INERTIEL POUR ACCUMULATEUR ELECTRIQUE D'ENGINS AUTO-MOBILES

Publication

EP 0699339 A1 19960306 (FR)

Application

EP 95912290 A 19950310

Priority

- FR 9500274 W 19950310
- FR 9402751 A 19940310

Abstract (en)

[origin: WO9524727A1] Inertia circuit breaker for a motor vehicle electric storage battery comprising a metallic ball (7) held under pressure on its seats (5A, 5B) by a spring washer (25) calibrated for applying pressure to the ball (7) which, on impact, is releasable from its seat by dynamic inertia. The stationary lower abutment seat (5A) and the movable upper abutment seat (5B) each consist of a lead alloy or similar washer comprising a preformed impression. The housing (35) of the circuit breaker is incorporated into the battery at the usual location of one of its terminals. The housing (35) is fastened and bonded to the upper battery wall (38). The upper seat (5B) of the ball (7) is inserted into the lower end of a rod (9) provided with a shoulder for insertion into the central hole (40) of the washer (25) for applying pressure to the ball (7) on its lower seat (5A). Said rod (9), which is screwed and locked into the battery terminal (41), is capable of sliding in the cover (37) of said housing, the lower seat (5A) being inserted into the head of a rivet (42) passing through the base of the housing and holding a connecting cable lug onto the corresponding pole of the battery.

IPC 1-7

H01H 35/14

IPC 8 full level

H01H 35/14 (2006.01)

CPC (source: EP)

H01H 35/14 (2013.01); **H01M 50/579** (2021.01); **H01H 35/143** (2013.01); **H01H 2001/5877** (2013.01); **Y02E 60/10** (2013.01)

Citation (search report)

See references of WO 9524727A1

Designated contracting state (EPC)

AT BE CH DE ES GB IT LI NL PT SE

DOCDB simple family (publication)

WO 9524727 A1 19950914; AU 1953295 A 19950925; EP 0699339 A1 19960306; FR 2717303 A1 19950915; FR 2717303 B1 19960426

DOCDB simple family (application)

FR 9500274 W 19950310; AU 1953295 A 19950310; EP 95912290 A 19950310; FR 9402751 A 19940310