

Title (en)

LOAD DISCONNECTING SWITCH, IN PARTICULAR FOR THE LOAD CIRCUIT OF A MOTOR VEHICLE BATTERY

Title (de)

LASTTRENNSCHALTER, INSBESONDERE FÜR DEN LASTSTROMKREIS EINER FAHRZEUGBATTERIE

Title (fr)

SECTIONNEUR DE COUPURE EN CHARGE, EN PARTICULIER POUR CIRCUIT DE CHARGE D'UNE BATTERIE D'UN VEHICULE A MOTEUR

Publication

EP 0954873 A1 19991110 (DE)

Application

EP 98907840 A 19980121

Priority

- DE 9800178 W 19980121
- DE 19701933 A 19970121

Abstract (en)

[origin: DE19701933C1] The load disconnecting switch is connected with a contact installation (14, 15, 36) between a pole terminal (4) and a main circuit (8). By means of a manually operated switch arm (45), the contact installation can be locked in the closed state, whereby the locking takes place by means of a ratchet (39). This ratchet (39) is, on the other hand, coupled with the armature (28) of an electro-magnetic system (26, 27). In this way, in the case of a dysfunction, the contact installation can be unlocked by means of the electro-magnetic system, and the circuit interrupted. With this disconnecting switch, the electrical system of a motor vehicle can, in the case of an accident or a short circuit, be connected quickly and without current, so as to reduce fire risk, or in the case of another dysfunction, to prevent discharging of the battery.

IPC 1-7

H01H 71/56; **H01H 83/20**

IPC 8 full level

B60R 16/02 (2006.01); **H01H 19/20** (2006.01); **H01H 50/00** (2006.01); **H01H 50/32** (2006.01); **H01H 71/56** (2006.01); **H01H 83/20** (2006.01); **H01H 71/52** (2006.01)

CPC (source: EP KR US)

H01H 19/20 (2013.01 - EP US); **H01H 71/56** (2013.01 - EP KR US); **H01H 83/20** (2013.01 - EP US); **H01H 71/526** (2013.01 - EP US); **H01H 2001/5877** (2013.01 - EP US)

Citation (search report)

See references of WO 9832144A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

DE 19701933 C1 19980226; BR 9807501 A 20000321; EP 0954873 A1 19991110; JP 2000508472 A 20000704; KR 20000070343 A 20001125; US 6049265 A 20000411; WO 9832144 A1 19980723

DOCDB simple family (application)

DE 19701933 A 19970121; BR 9807501 A 19980121; DE 9800178 W 19980121; EP 98907840 A 19980121; JP 53353398 A 19980121; KR 19997006576 A 19990721; US 34198799 A 19990721