

Title (en)

ELECTRICAL SWITCHING DEVICE HAVING AN ULTRAFAST ACTUATION MECHANISM AND HYBRID SWITCH COMPRISING SUCH A DEVICE

Title (de)

ELEKTRISCHE SCHALTVORRICHTUNG MIT ULTRASCHNELLEM BETÄTIGUNGSMECHANISMUS UND HYBRIDSCHALTER MIT EINER DERARTIGEN VORRICHTUNG

Title (fr)

DISPOSITIF DE COMMUTATION ELECTRIQUE A MECANISME D'ACTIONNEMENT ULTRA-RAPIDE ET INTERRUPTEUR HYBRIDE COMPRENANT UN TEL DISPOSITIF

Publication

EP 2559040 B1 20150408 (FR)

Application

EP 10721182 A 20100415

Priority

FR 2010000304 W 20100415

Abstract (en)

[origin: WO2011128516A1] Switching device having an ultrafast actuation mechanism for the opening of electrical contacts (21, 22), comprising a propelling coil (12) and a conducting disc (11). A fixed contact (21) engages, in the closed position, with a moving contact (22), said contacts being brought into the open position by repulsion of the conducting disc (11). A return device (5) generates a closure force (F1) for keeping said electrical contacts (21, 22) in the closed position. Means (30) for fastening the moving contact (22) in the open position comprise a magnetic yoke (32) having an attraction coil (33) delivering an attraction force (Fa) to a magnetic movable armature (31). The moving contact (22) is carried by a contact-carrier support (23) having driving means intended for cooperating, during movement of the moving contact (22), with the movable magnetic armature (31) in order to move it.

IPC 8 full level

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CPC (source: EP US)

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