

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
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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.

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H01H 3/222 (2013.01 - EP US); **H01H 9/542** (2013.01 - EP US)

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