

Title (en)
ELECTRICAL SWITCHING APPARATUS

Title (de)
ELEKTRISCHES SCHALTGERÄT

Title (fr)
APPAREIL DE COMMUTATION ÉLECTRIQUE

Publication
EP 2409202 B1 20190918 (EN)

Application
EP 10753907 A 20100311

Priority
• US 2010026992 W 20100311
• US 16042109 P 20090316

Abstract (en)
[origin: WO2010107655A1] An electrical switching apparatus (130) includes a coil (54), a magnetic frame (50) cooperating with the coil, a number of separable contacts (137) controlled by the coil, a number of auxiliary switches (22), a current sensor (114) structured to sense a current (108) flowing through the coil, and a magnetic sensor (120) structured to sense a magnetic field (66,106) of the magnetic frame. A circuit (24) is structured (180) to detect a predetermined characteristic (94) of the sensed current (126) flowing through the coil and output a control signal (27) responsive to the magnetic field being greater than a predetermined value (112) and the predetermined characteristic being detected. The control signal is structured to cause a change in state of the number of auxiliary switches.

IPC 8 full level
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CPC (source: EP)
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