

Title (en)
ELECTRICAL SWITCHING APPARATUS

Title (de)
ELEKTRISCHES SCHALTGERÄT

Title (fr)
APPAREIL DE COMMUTATION ÉLECTRIQUE

Publication
EP 2409202 A4 20180117 (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)
H01H 47/002 (2013.01); **H01H 50/541** (2013.01); **H01H 71/123** (2013.01); **H01H 2047/046** (2013.01)

Citation (search report)
• [I] EP 1998351 A1 20081203 - MITSUBISHI ELECTRIC CORP [JP]
• [A] US 2007222427 A1 20070927 - TAKEUCHI TOSHIE [JP], et al
• See references of WO 2010107655A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
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