

Title (en)  
ELECTRIC SWITCHING DEVICE AND METHOD OF MANUFACTURE

Title (de)  
ELEKTRISCHE SCHALTVORRICHTUNG UND HERSTELLUNGSVERFAHREN

Title (fr)  
DISPOSITIF DE COMMUTATION ÉLECTRIQUE ET PROCÉDÉ DE FABRICATION

Publication  
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Application  
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Abstract (en)  
[origin: WO2010134878A1] The present invention related to an electric switching device comprising a cover shaped casing (1), one or more in the casing (1) included actuation parts (34) belonging to the respective electric switching circuit (32) and a membrane (35) creating a part of the casing (1) and is arranged as a protecting cover placed at a location directly above every actuation part (34). During push-down, the membrane (35) is arranged to cooperate with the actuation part (34) so that electric connection is established or broken. The switching devices (32) can be arranged on a carrier (31), for example an electric circuit, which carrier (31) is detachably carried by holding means (30) in the cover shaped casing (1) or in a frame (4) included in the casing (1). A method of manufacturing such an electric switching device is also provided.

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Citation (search report)  
• [X] GB 2144271 A 19850227 - CASIO COMPUTER CO LTD  
• [Y] DE 10131219 C1 20030306 - ITT MFG ENTERPRISES INC [US]  
• [Y] DE 1754489 U 19571024 - WAELLER WILLY [DE]  
• [Y] DE 10027357 A1 20011213 - TYCO ELECTRONICS GMBH WIEN [AT]  
• [Y] EP 1110365 A1 20010627 - SIEMENS AG [DE]  
• [Y] US 5717429 A 19980210 - COULON KENNETH E [US], et al  
• See references of WO 2010134878A1

Citation (examination)  
• DE 3533719 A1 19870326 - RHEINMETALL GMBH [DE]  
• EP 1110365 B1 20060726 - SIEMENS AG [DE]

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