

Title (en)
ELECTRO-MECHANICAL SWITCHING DEVICE

Title (de)
ELEKTROMECHANISCHES SCHALTGERÄT

Title (fr)
APPAREIL DE COMMUTATION ELECTROMECHANIQUE

Publication
EP 0963596 B1 20020911 (DE)

Application
EP 98910592 A 19980209

Priority
• DE 9800357 W 19980209
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Abstract (en)
[origin: WO9838666A1] Electro-mechanical switching devices have at least one movable contact and one pertaining drive mechanism in the casing of an appliance. Means for contactless identification of switching status have already been disclosed, wherein magnetic field sensors are provided and arranged in a suitable position inside and/or outside said casing. Each sensor detects magnetic field values linked to one of several switching states. The casing of the appliance usually has a switching handle for manual triggering. According to the invention, a miniature inductive resistor (60, 60a, 60b, 60', 60'') with a ferrite core is included as a highly-sensitive magnetic field sensor. Said resistor regulates the position of the switch handle (52) or a part coupled thereto and/or enables a current flowing in the switching device to be detected. Such miniature inductive resistors (60, 60a, 60b, 60', 60'') are extremely economical.

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