

Title (en)  
ELECTRICAL DEVICE COMPRISING A CONTROLLED PIEZOELECTRIC ACTUATOR

Title (de)  
ELEKTRISCHE EINRICHTUNG MIT EINEM GESTEUERTEN PIEZOELEKTRISCHEN BETÄTIGUNGSGLIED

Title (fr)  
APPAREIL ELECTRIQUE A ACTIONNEUR PIEZOELECTRIQUE PILOTE

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Application  
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Abstract (en)  
[origin: WO03079387A1] The invention relates to an electrical switch device in which each power pole comprises a mobile bridge (30) which is equipped with at least one mobile contact (31a, 31b) which co-operates with at least one fixed contact (41a, 41b) of the pole between open and closed positions. The inventive switch device comprises at least one bistable or Voice Coil-type approach actuator (20) which acts on the mobile bridge(s) (30) such as to enable the mobile contact(s) (31a, 31b) of the mobile bridge (30) and the fixed contacts(s) (41a, 41b) to move together or apart. Moreover, each pole comprises a piezoelectric stress actuator (42) which can be used to establish the contact pressure or contact disconnect without the need for a mechanical return element.

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