

Title (en)

An electrostatic shock-preventing key device.

Title (de)

Schlüsseleinrichtung zur Vorbeugung elektrostatischer Entladungsstöße.

Title (fr)

Dispositif de clé anti-choc électrostatique.

Publication

**EP 0391263 A1 19901010 (EN)**

Application

**EP 90106073 A 19900329**

Priority

JP 4053689 U 19890407

Abstract (en)

The present invention relates to word an electrostatic shock-preventing key device which is constructed in such a way that a key's body is made of a conductive material and is accommodated in a case made of an insulating material and can be pushed out of the case only by its inserted portion at the time of locking and unlocking and the case which is provided with a resistor for preventing static shock due to the discharge of static electricity accumulated on the user's body. An electrostatic shock-preventing key device comprises a key's body made of a conductive material and composed of an inserted portion and a grip portion; a sliding plate provided with a protrusion for mounting thereon the key grip portion and for externally moving the key's body; a case made of an insulating material and composed of a compartment for slidably accommodating the sliding plate and a cover for covering said compartment; and a conductive portion including a contact piece being in contact with the key's grip portion mounted onto the sliding plate, a compression-spring abutting onto contact piece, a ball constantly being urged downward by compression-spring, a slender conductive piece whereon ball travels being urged downward by the compression spring, a resistor connected at one end to conductive piece, and a conductive plate connected to the other end of resistor and mounted onto the outer surface of the case.

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IPC 8 full level

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