

Title (en)

Electric safety sockets system.

Title (de)

Elektrisches Sicherheitssteckdosensystem.

Title (fr)

Système de prises électriques de sécurité.

Publication

EP 0420058 B1 19951206 (FR)

Application

EP 90118173 A 19900921

Priority

- FR 8912577 A 19890926
- FR 8913150 A 19891009

Abstract (en)

[origin: EP0420058A1] The present invention relates to a safety socket system in which the wall socket (1) is automatically disconnected from all electrical power on unplugging a connector plug (2). After plugging in another or the same connector plug (2) again, the electrical supply to the connector socket (1) is also automatically restored. This connection and disconnection of the electrical supply of the connector socket (1) on plugging in and unplugging the connector plug (2) is carried out by the interaction between an interruptor (10, 11) located in the connector socket (1) and an actuating means (18) located in the connector plug (2). According to one embodiment of the present invention, the interrupter (10, 11; 11', 29) is connected between the input phase conduit (Pe) and the phase contact (8, 76) of the connector socket (1, 1'), and it is constituted by a reed relay (10, 11) or by an internal contact (29) actuated by a magnet (11'). The actuating means in the connector plug consists of a magnet (18, 18') whose movement towards the interrupter makes the circuit of the latter. In this way, the insertion of the connector plug (2, 2') into the connector socket (1, 1') automatically makes the connector socket live. <IMAGE>

IPC 1-7

H01R 13/703

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