

Title (en)

Interlocking for quick connection key in electrical mechanisms

Title (de)

Verriegelung für Schnellverbindungstaste in elektrischen Mechanismen

Title (fr)

Inter-verrouillage pour une touche de connexion rapide dans des mécanismes électriques

Publication

**EP 2117023 A2 20091111 (EN)**

Application

**EP 09380066 A 20090401**

Priority

ES 200800951 U 20080507

Abstract (en)

It consists of an appendage -2- situated at the lower end of a quick connection key -1- and joined thereto by means of an area -4-, which confers flexibility to that area and permits the displacement of the entire appendage -2- to get closer to the key -1- upon pressing thereupon or separating it and returning it to its starting position by ceasing to apply pressure, pressure which can be applied on the appendage -2- or on the hook -3- with which said appendage finishes at its end. The key -1- is equipped at its upper end with a hollow -8- for the insertion of the end of the wire to be connected, and is placed on a U-shaped housing -5- of the body -6- of the mechanism, so that it can swing about an axis -7- of rotation. In the swinging displacement of the key and upon approaching the external face -6a- of the body -6-, the end hook -3- of the appendage -2-, which constitutes the interlocking, comes into contact with the lower external face -9a- of a lower projection -9-, central and symmetrical, of said body -6-, sliding therealong until the aforementioned hook -3- is held back by clipping on the upper edge -9b- of the projection -9-, the key being immobilized. Once the hook -3- has been held back on the upper edge -9b- of the projection -9-, the appendage -2- being pressed, the unclipping of the hook -3- is caused given the elasticity of the material, said key freeing itself and permitting its swinging.

IPC 8 full level

**H01H 1/58** (2006.01); **H01R 4/24** (2006.01)

CPC (source: EP)

**H01H 1/585** (2013.01); **H01H 23/08** (2013.01); **H01R 13/639** (2013.01)

Cited by

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2117023 A2 20091111**; **EP 2117023 A3 20120104**; CN 101578024 A 20091111; ES 1067865 U 20080701; ES 1067865 Y 20081001; MA 31277 B1 20100401; RU 2009116191 A 20101110; RU 2516231 C2 20140520

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