

Title (en)

Quick-connection key for electrical mechanisms, with safety interlocking

Title (de)

Schnellverbindungsschlüssel für elektrische Mechanismen mit Sicherheitsverriegelung

Title (fr)

Clé de connexion rapide pour mécanismes électriques avec un interverrouillage de sécurité

Publication

EP 2180549 A1 20100428 (EN)

Application

EP 09380154 A 20090928

Priority

ES 200802026 U 20081007

Abstract (en)

It consists of a key in an elastic material -1- ending, at its lower end, in a projection -2- and an appendage by way of a flap -3- joined to the inner part of the base -1a- of the key -1- by the connecting point -4-, which permits the displacement of the entire appendage -3-, bringing it closer to or away from the base -1a- of the key, thus returning to its initial position, depending on whether said appendage -3- is pressed or ceases to be pressed. Said appendage -3- features a lip -5- which occupies the outer half of its end and is arranged outwards, the outer surface -3b- of the appendage-3- lying behind the lip -5- and the rest of the surface, completely flat and smooth, continues until a curvature -3a-, a surface which rests, tightening and sliding, upon a stub -6- of the body -7- of the mechanism in the inner area of a flange -8a- in the lower part -8- thereof.

IPC 8 full level

H01R 4/48 (2006.01)

CPC (source: EP)

H01R 4/483 (2023.08); **H01R 13/62955** (2013.01)

Citation (search report)

- [YA] US 2002074218 A1 20020620 - MORET CODINA MARIA CRISTINA [ES]
- [Y] US 6174179 B1 20010116 - OKABE TOSHIAKI [JP]
- [A] US 2003008569 A1 20030109 - MATSUMOTO ATSUSHI [JP], et al
- [A] US 2002076972 A1 20020620 - MORET CODINA MARIA CRISTINA [ES]
- [A] EP 1672741 A1 20060621 - AB PLAST SRL [IT]
- [A] EP 1928058 A1 20080604 - LEGRAND FRANCE [FR], et al

Citation (examination)

- FR 2730096 A1 19960802 - SEIFEL SA [FR]
- US 2004219815 A1 20041104 - THOMPSON ROY KELLER [US], et al
- US 6113421 A 20000905 - DAOUD BASSEL H [US]
- ES 1067865 U 20080701 - SIMON SA [ES]

Designated contracting state (EPC)

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 SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2180549 A1 20100428; CN 101714705 A 20100526; CN 101714705 B 20131106; ES 1069768 U 20090506; ES 1069768 Y 20090821; MA 32267 B1 20110502; RU 2009136632 A 20110410; RU 2523036 C2 20140720

DOCDB simple family (application)

EP 09380154 A 20090928; CN 200910205224 A 20091009; ES 200802026 U 20081007; MA 32266 A 20091006; RU 2009136632 A 20091005