

Title (en)
SPECIAL LATCH MECHANISM

Title (de)
SPEZIELLER VERRIEGELUNGSMECHANISMUS

Title (fr)
MÉCANISME DE FIXATION SPÉCIAL

Publication
EP 4057452 A1 20220914 (EN)

Application
EP 21460033 A 20210811

Priority
PL 43507920 A 20200826

Abstract (en)
A special latching mechanism of an electric socket is placed between the contacts of the electric socket body /1/ and has a profile /3/ which, together with two springs /5/, is located between the contacts in a movable protective housing /2/ together with the profile /3/, where the profile /3/ has one or preferably two catches /4/ pressed by the mechanism cover /6/ and may have an asymmetrical or symmetrical geometry with two catches /4/, or one catch /4/, whereas for a socket with a cylindrical grounding pin /7/ has two springs /5/ that accumulate energy and press the profile /3/ against the protective cover /2/, one of which is movably mounted on the earthing pin / 7/, and in case of a socket with symmetrical earthing, it has two springs /5/ arranged symmetrically in the movable housing /2/; the mechanism may have two types of protection against falling out; one is located on the protective housing /2/, and the other protection is provided by the geometry of the profile /3/ making a "click-clack", while the movable protective cover /2/ is moved through the opening in the central part of the socket body /1/ between the contacts.

IPC 8 full level
H01R 13/514 (2006.01); **H01R 13/635** (2006.01); **H01R 13/652** (2006.01); **H01R 24/78** (2011.01)

CPC (source: EP)
H01R 13/514 (2013.01); **H01R 13/635** (2013.01); **H01R 24/78** (2013.01); **H01R 13/652** (2013.01)

Citation (applicant)
• PL 166207 B1 19950428 - ARABSKI KRZYSZTOF [PL]
• PL 177680 B1 19991231 - VORWERK CO INTERHOLDING [DE]
• PL 182336 B1 20011231 - LEGRAND SA [FR], et al
• PL 193540 A1 19780508 - ZJEDNOCZONE HUTY SZKLA BUDOWLA
• PL 203754 A1 19790924 - TARNOGORSKA FABRYKA URZADZEN G

Citation (search report)
[X] PL 67919 Y1 20150731 - BARTOS ZBIGNIEW [PL]

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 4057452 A1 20220914; PL 435079 A1 20220228

DOCDB simple family (application)
EP 21460033 A 20210811; PL 43507920 A 20200826