

Title (en)
ELECTRICAL CONNECTION DEVICE

Title (de)
ELEKTRISCHE VERBINDUNGSVORRICHTUNG

Title (fr)
SYSTÈME DE CONNEXION ÉLECTRIQUE

Publication
EP 3764476 A1 20210113 (EN)

Application
EP 19185320 A 20190709

Priority
EP 19185320 A 20190709

Abstract (en)
Invention is related to an electrical connection (1) device comprising- a barrel (10) comprising a first end (11) on which a cap (20) is mounted,- a hollow piston (40) comprising an open end (41)and a blind end (42), the hollow piston (40) being slidably mounted in the barrel (10) so that the blind end (42) extends beyond a second end of the barrel (10)- and a helical spring (60)characterized in that the electrical connection device comprises a spring clip (50) mounted between the barrel (10) and the hollow piston (40) so as to provide electrical continuity between the barrel (10) and the hollow piston (40), the first end (61) of the helical spring (60) being housed in the hollow piston (40) and a second end (62) of the helical spring (60) bearing on the cap (20) so that the maximum insertion position of the hollow piston (40) into the barrel (40) is obtained when the open end (41) of the hollow piston (40) comes into contact with the cap (20).

IPC 8 full level
H01R 13/24 (2006.01)

CPC (source: EP)
H01R 13/2421 (2013.01)

Citation (search report)
• [X] US 2018323529 A1 20181108 - GRUBER ANDREAS [DE]
• [X] EP 0838878 A1 19980429 - DURTAL SA [CH]
• [A] US 4904213 A 19900227 - HOCK SEE S [MY], et al

Cited by
EP4080684A1; WO2022223474A1

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)
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