

Title (en)
HIGH VOLTAGE CONNECTION

Title (de)
HOCHSPANNUNGSANSCHLUSS

Title (fr)
CONNEXION HAUTE TENSION

Publication
EP 4369525 A1 20240515 (EN)

Application
EP 23207274 A 20231101

Priority
EP 23207274 A 20231101

Abstract (en)
According to an example aspect of the present invention, there is provided a high voltage connection (1) comprising a housing (2) comprising a base (3) and a perimeter wall (4) protruding from the base (3), thus providing a cavity (13) and an opening (14) into the cavity (13), a circuit board (5) placed within the cavity (13), a connector (6) comprising a tube (7), a banana jack connector (8) and an electric wire (9), wherein the banana jack connector (8) is coupled to a first end (10) of the tube (7), wherein the banana jack connector (8) and the circuit board (5) are electrically connected by the electric wire (9), further electric wiring (11) electrically connected to the circuit board (5), and an insulating material layer (12) within the cavity (13), wherein the circuit board (5), a part of the tube (7) comprising the first end (10), the banana jack connector (8), the electric wire (9) and a first part of the further electric wiring (11) are embedded in the insulation material layer (12), wherein a second part of the further electric wiring (11) and a second end (16) of the tube (7) are located outside of the housing (2).

IPC 8 full level
H01R 4/70 (2006.01); **B03C 3/41** (2006.01); **H01R 13/405** (2006.01); **H01R 13/53** (2006.01); **H01R 4/72** (2006.01); **H01R 13/05** (2006.01); **H01R 101/00** (2006.01)

CPC (source: EP)
H01R 4/70 (2013.01); **H01R 13/405** (2013.01); **H01R 13/53** (2013.01); **H01R 4/72** (2013.01); **H01R 13/052** (2013.01); **H01R 2101/00** (2013.01)

Citation (applicant)
• EP 3409372 A1 20181205 - GENANO OY [FI]
• EP 3409372 B1 20211110 - GENANO OY [FI]

Citation (search report)
• [Y] EP 0114244 A1 19840801 - ANT NACHRICHTENTECH [DE]
• [Y] US 2018287294 A1 20181004 - IMESON CHRISTOPHER A [CA], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4369525 A1 20240515

DOCDB simple family (application)
EP 23207274 A 20231101