

Title (en)
CONNECTION ELEMENT, ARRANGEMENT AND ENERGY DISTRIBUTION SYSTEM

Title (de)
ANSCHLUSSELEMENT, ANORDNUNG UND ENERGIEVERTEILUNGSSYSTEM

Title (fr)
ÉLÉMENT DE RACCORD, AGENCEMENT ET SYSTÈME DE DISTRIBUTION D'ÉNERGIE

Publication
EP 3776738 B1 20240626 (DE)

Application
EP 19713749 A 20190322

Priority
• BE 201805220 A 20180403
• EP 2019057218 W 20190322

Abstract (en)
[origin: WO2019192858A1] The subject matter of the invention is a connection element (100) for connecting an insulated electrical conductor (10), comprising a clamping sleeve body (13), in which a receiving space (14) for the electrical conductor (10) is formed, and a connection screw (15) which has a screw head (16) and a screw shaft (17) and can be introduced into the receiving chamber (14) via an opening (33), which is formed on the clamping sleeve body (13), along an insertion direction (R) of the connection screw (15), wherein the receiving space (14) has a first region (18) and a second region (19) which adjoins the first region (18), wherein the first region (18) forms a support region for the conductor (10) and the second region (19) forms a press-in region into which a subregion of the conductor (10) which is arranged in the first region (18) is pressed by means of the connection screw (15) in a connected state, wherein the second region (19) has two opposite side walls (20, 21) against which braided wires (11) of the conductor (10), which braided wires are exposed by the conductor (10) being pressed in, bear in an electrically contact-making manner in the connected state.

IPC 8 full level
H01R 4/2483 (2018.01)

CPC (source: EP US)
H01R 4/2483 (2013.01 - EP US); **H01R 11/09** (2013.01 - US)

Citation (examination)
DE 1982475 U 19680404 - AUDIOLA AS [DK]

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

DOCDB simple family (publication)
WO 2019192858 A1 20191010; BE 1026172 A1 20191025; BE 1026172 B1 20191030; CA 3095967 A1 20191010; CA 3095967 C 20230912; CN 111937244 A 20201113; CN 111937244 B 20220830; EP 3776738 A1 20210217; EP 3776738 B1 20240626; JP 2021519498 A 20210810; JP 7159339 B2 20221024; US 11394135 B2 20220719; US 2021057828 A1 20210225

DOCDB simple family (application)
EP 2019057218 W 20190322; BE 201805220 A 20180403; CA 3095967 A 20190322; CN 201980023691 A 20190322; EP 19713749 A 20190322; JP 2020554178 A 20190322; US 201917042936 A 20190322