

Title (en)
CONNECTION DEVICE FOR CONDUCTOR

Title (de)
ANSCHLUSSVORRICHTUNG FÜR LEITER

Title (fr)
DISPOSITIF DE RACCORDEMENT POUR CONDUCTEUR

Publication
EP 2457288 A1 20120530 (DE)

Application
EP 10734953 A 20100712

Priority
• DE 202009009831 U 20090718
• DE 202010008028 U 20100709
• EP 2010059982 W 20100712

Abstract (en)
[origin: WO2011009749A1] The present invention relates to a connection device, particularly for disposing in an insulating material housing, implemented for directly connecting to a conductor without tools, and comprising the following: a clamping frame, and a clamping spring for clamping the conductor that can be inserted into the clamping frame in a conductor insertion direction against a conductive support element in the clamping frame, wherein the clamping spring comprises at least one attachment leg and a clamping leg connected to the attachment leg by means of a bend, having one or both of the following characteristics: the clamping frame is designed as a U-profile made of a sheet metal spring, and/or the attachment leg is aligned at an angle to the conductor insertion direction.

IPC 8 full level
H01R 4/48 (2006.01)

CPC (source: EP US)
H01R 4/4821 (2023.08 - EP); **H01R 4/48365** (2023.08 - US); **H01R 4/4848** (2023.08 - EP); **H01R 4/4833** (2023.08 - EP)

Citation (examination)
• US 2008286996 A1 20081120 - TUERSCHMANN DIETER [DE], et al
• DE 20205821 U1 20030821 - WEIDMUELLER INTERFACE [DE]
• See also references of WO 2011009749A1

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 202010008028 U1 20101230; CN 102474018 A 20120523; EP 2457288 A1 20120530; JP 2012533839 A 20121227; JP 5712417 B2 20150507; US 2012108099 A1 20120503; US 8579651 B2 20131112; WO 2011009749 A1 20110127

DOCDB simple family (application)
DE 202010008028 U 20100709; CN 201080032215 A 20100712; EP 10734953 A 20100712; EP 2010059982 W 20100712; JP 2012519994 A 20100712; US 201013382921 A 20100712