

Title (en)

STRAIN RELIEF DEVICE AT JOINING APPARATUS FOR CABLES

Title (de)

ZUGENTLASTUNGSVORRICHTUNG FÜR EINE KABELVERBINDUNGSVORRICHTUNG

Title (fr)

DISPOSITIF D'ATTÉNUATION DE CONTRAINTE SUR UN APPAREIL DE JONCTION POUR CÂBLES

Publication

EP 2499713 A1 20120919 (EN)

Application

EP 10830271 A 20101029

Priority

- SE 0950853 A 20091111
- SE 2010051178 W 20101029

Abstract (en)

[origin: WO2011059377A1] The invention relates to a strain relief device (1) arranged at an joining apparatus (2), having high tensile strength, for cables, said cables comprising an internal sheath (4) surrounded by a reinforcement sheath (5) consisting of reinforcement wires. The strain relief device comprises at one end, opposite to the joining apparatus, double conical surfaces (K1, K2) having counter-directed conicity and least two clamping rings (10, 11) displaceable in the axial direction of the strain relief device, respective clamping ring having a hole with mirror-inverted conical surface complimentary to the conical surfaces of the strain relief device. The clamping rings are adapted to clamp the reinforcement wires between the double conical surfaces formed between the strain relief device and respective mirror- inverted conical surface of respective clamping ring. The hole in respective clamping ring (10, 11) has double conical surfaces (K3, K4, K3', K4') with counter directed conicity and the generix of which has different length. The invention relates also to a joining apparatus (2) provided with strain relief devices (1).

IPC 8 full level

H02G 15/14 (2006.01); **G02B 6/44** (2006.01)

CPC (source: EP SE)

G02B 6/4471 (2013.01 - EP); **H02G 15/007** (2013.01 - EP); **H02G 15/14** (2013.01 - EP SE)

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 2011059377 A1 20110519; EP 2499713 A1 20120919; EP 2499713 A4 20140618; SE 0950853 A1 20110512; SE 534316 C2 20110705

DOCDB simple family (application)

SE 2010051178 W 20101029; EP 10830271 A 20101029; SE 0950853 A 20091111