

Title (en)
DEVICE FOR GUIDING A LINE THROUGH A WALL IN A PRESSURE-TIGHT MANNER, AND METHOD FOR PRODUCING THE DEVICE

Title (de)
VORRICHTUNG ZUM DRUCKDICHTEN DURCHFÜHREN EINER LEITUNG DURCH EINE WAND UND VERFAHREN ZUR HERSTELLUNG DER VORRICHTUNG

Title (fr)
DISPOSITIF POUR GUIDER UNE CONDUITE À TRAVERS UNE PAROI DE MANIÈRE ÉTANCHE À LA PRESSION, ET PROCÉDÉ DE FABRICATION DU DISPOSITIF

Publication
EP 4122302 A1 20230125 (DE)

Application
EP 21777630 A 20210716

Priority

- DE 102020212059 A 20200924
- DE 102020212608 A 20201006
- DE 2021200096 W 20210716

Abstract (en)
[origin: WO2022063364A1] The invention relates to a device for guiding a line comprising a deformable jacket through a passage in a wall in a pressure-tight manner, said wall separating a first pressure region from a second pressure region. The device comprises a sleeve that surrounds the line in the region where the line is guided through the wall and has at least two mutually spaced annular constrictions, notches, grooves or the like which are produced by deformation and between which the material of the jacket is compressed by the deformation so as to form an integral ring seal which acts between the jacket and the sleeve, wherein the sleeve is connected or can be connected to the wall in a pressure-tight manner about the passage at least from one side. The invention additionally relates to a corresponding method for producing the device.

IPC 8 full level
H05K 5/06 (2006.01); **H02G 3/06** (2006.01)

CPC (source: EP US)
F16L 5/10 (2013.01 - US); **H02G 3/065** (2013.01 - EP); **H02G 15/013** (2013.01 - EP); **H05K 5/069** (2013.01 - EP)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020212608 A1 20220324; CN 116195152 A 20230530; EP 4122302 A1 20230125; JP 2023543551 A 20231017; US 2023366489 A1 20231116; WO 2022063364 A1 20220331

DOCDB simple family (application)
DE 102020212608 A 20201006; CN 202180065328 A 20210716; DE 2021200096 W 20210716; EP 21777630 A 20210716; JP 2023513967 A 20210716; US 202118245284 A 20210716