

Title (en)

PAY OUT APPARATUS FOR A FLEXIBLE LINE ARRANGEMENT, AND LINE GUIDE DEVICE COMPRISING A DELIVERY UNIT

Title (de)

AUSGABEVORRICHTUNG FÜR EINE FLEXIBLE LEITUNGSANORDNUNG UND LEITUNGSFÜHRUNGSEINRICHTUNG MIT FÖRDEREINHEIT

Title (fr)

APPAREIL DE DÉROULEMENT POUR UN AGENCEMENT DE LIGNES FLEXIBLES, ET DISPOSITIF DE GUIDAGE DE LIGNE COMPRENANT UNE UNITÉ DE DISTRIBUTION

Publication

EP 4241352 A1 20230913 (DE)

Application

EP 21809990 A 20211108

Priority

- DE 202020106401 U 20201106
- EP 2021080996 W 20211108

Abstract (en)

[origin: CA3200875A1] The invention relates to a pay out apparatus (1) for a spatially deflectable line or line guide device (10) for guiding one or more supply lines (3), comprising a delivery unit (30) for paying out and retracting a longitudinal portion of the line arrangement (2) from a storage region (4). The invention also relates to the delivery unit (30) per se for driving the line guide device (10). According to the invention, the delivery unit (30) comprises a drive wheel (32) which has, on the circumference, a number of engagement portions (33) each having at least one force transmission element (34), and the flexible line arrangement (2) has a plurality of projections (12) and/or recesses on the outside that are distributed along at least one longitudinal portion of the line arrangement (2). The force transmission elements (34) of the drive wheel act force-transmittingly together with a projection (12) and/or recess of the line arrangement (2) to deliver or drive the line guide device (10) during paying out and/or during retraction.

IPC 8 full level

H02G 11/00 (2006.01); **F16G 13/16** (2006.01); **F16L 3/01** (2006.01); **H02G 3/04** (2006.01)

CPC (source: EP KR)

F16G 13/16 (2013.01 - EP KR); **F16L 3/012** (2013.01 - KR); **H02G 3/0475** (2013.01 - KR); **H02G 11/006** (2013.01 - EP KR); **F16L 3/012** (2013.01 - EP); **H02G 3/0475** (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 202020106401 U1 20211207; AU 2021374042 A1 20230629; AU 2021374042 A9 20240711; CA 3200875 A1 20220512; CN 116635647 A 20230822; EP 4241352 A1 20230913; JP 2023551370 A 20231208; KR 20230098846 A 20230704; WO 2022096730 A1 20220512

DOCDB simple family (application)

DE 202020106401 U 20201106; AU 2021374042 A 20211108; CA 3200875 A 20211108; CN 202180081967 A 20211108; EP 2021080996 W 20211108; EP 21809990 A 20211108; JP 2023526610 A 20211108; KR 20237018754 A 20211108