

Title (en)  
Gripper, twisting head and twisting head device

Title (de)  
Greifer, Verdrillkopf und Verdrillvorrichtung

Title (fr)  
Poignée, tête de torsadage et dispositif de torsadage

Publication  
**EP 2801984 B1 20181114 (DE)**

Application  
**EP 13167060 A 20130508**

Priority  
EP 13167060 A 20130508

Abstract (en)  
[origin: CN104143394A] A gripper for electrical or optical lines (24, 24') such as wires, cables, line bundles, optical fibres has two gripper jaws (22, 22') movable relative to a counterbearing as well as relative to one another. Twisting heads (4) for twisting apparatuses for the lines (24, 24') are equipped with the gripper. The gripper and the twisting head (4) and the twisting apparatus are provided with a drive arrangement. The drive arrangement includes at least one adjustable-force drive (17) that acts via a link chain (15, 19, 19', 20, 20') on gripper jaw (22, 22'). The link chain (15, 19, 19', 20, 20') in this case has a section (19, 19') movable parallel to the drive (17), but in the opposite direction of movement.

IPC 8 full level  
**H01B 13/02** (2006.01); **B25J 15/02** (2006.01)

CPC (source: EP US)  
**D01H 7/04** (2013.01 - US); **H01B 13/0207** (2013.01 - EP US); **D01H 2700/24** (2013.01 - US)

Cited by  
DE102016109155B3; DE102016109151B3; CN106737805A; US10026527B2; DE102016015717A1; DE102016015717B4

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)  
**EP 2801984 A1 20141112; EP 2801984 B1 20181114**; BR 102014011185 A2 20150106; CN 104143394 A 20141112; CN 104143394 B 20181109; IN 1232DE2014 A 20150612; JP 2014225449 A 20141204; JP 6505981 B2 20190424; KR 20140132693 A 20141118; MX 2014005442 A 20150210; PT 2801984 T 20190123; RU 2014118455 A 20151120; SG 10201402140U A 20141230; US 2014331636 A1 20141113; US 9624607 B2 20170418

DOCDB simple family (application)  
**EP 13167060 A 20130508**; BR 102014011185 A 20140509; CN 201410192876 A 20140508; IN 1232DE2014 A 20140507; JP 2014096434 A 20140508; KR 20140054551 A 20140508; MX 2014005442 A 20140506; PT 13167060 T 20130508; RU 2014118455 A 20140506; SG 10201402140U A 20140507; US 201414273020 A 20140508