

Title (en)
DEVICE AND METHOD FOR WINDING A STRAND-SHAPED WINDING MATERIAL

Title (de)
VORRICHTUNG UND VERFAHREN ZUM WICKELN EINES STRANGFÖRMIGEN WICKELGUTS

Title (fr)
DISPOSITIF ET PROCÉDÉ D'ENROULEMENT D'UN PRODUIT À ENROULER EN FORME DE BOUDIN

Publication
EP 3099613 A1 20161207 (DE)

Application
EP 15701296 A 20150128

Priority

- DE 102014001058 A 20140128
- DE 102014001134 A 20140128
- EP 2015000163 W 20150128

Abstract (en)
[origin: WO2015113762A1] The invention relates to a method for helically winding a strand-shaped winding material, such as a continuously extruded pipe (3), preferably consisting of plastic, onto a rotationally driven winding drum (5). According to said method: a) the winding material is transferred onto the rotating winding drum (5) via a guide which is mounted so as to move axially to and fro while laying material, said guide being positioned relative to the winding drum (5) substantially depending on the progress of winding; and b) when a particularly defined or sensed turning point X0 is reached, a turn operation is carried out during which: i) the guide, which arrives at the turning point X0 in a toward movement of laying is substantially moved away from the winding drum (5) in a radial vertical direction, especially lifted, to free a particularly free contact end of the guide from the winding drum (5) or from the helical layer (15) already wound; and ii) during or after removal (i) the guide is advanced further in an axial to-and-fro laying movement direction relative to the winding drum (5) by a particularly previously defined axial move-up distance such that it travels over the turning point X0 in the axial to-and-fro laying movement direction.

IPC 8 full level
B65H 54/28 (2006.01)

CPC (source: EP)
B65H 54/2851 (2013.01); **B65H 54/286** (2013.01); **B65H 54/2869** (2013.01); **B65H 2701/331** (2013.01)

Citation (search report)
See references of WO 2015113762A1

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

DOCDB simple family (publication)
WO 2015113762 A1 20150806; DK 3099613 T3 20190225; EP 3099613 A1 20161207; EP 3099613 B1 20181107; ES 2718690 T3 20190703; HU E041366 T2 20190528; PL 3099613 T3 20190531; PT 3099613 T 20190214

DOCDB simple family (application)
EP 2015000163 W 20150128; DK 15701296 T 20150128; EP 15701296 A 20150128; ES 15701296 T 20150128; HU E15701296 A 20150128; PL 15701296 T 20150128; PT 15701296 T 20150128