

Title (en)
DEVICE FOR AUTOMATICALLY WINDING A CABLE OR A WIRE ON A SPOOL

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EP 0351777 B1 19920826 (FR)

Application
EP 89113149 A 19890718

Priority
FR 8809967 A 19880722

Abstract (en)
[origin: EP0351777A1] Device for automatically winding a cable 1 on a spool 2, comprising means for guiding its axis perpendicularly to the axis of the spool, means for placing the spool in relative translation with respect to the axis of advance of the cable, in one direction, and then in the other, means for detecting a delay of the spool relative to a reference position and for increasing its translational speed, and means for detecting the arrival of the flange of the spool opposite the guide means and for controlling the reversal of the translation. The delay of the spool 2 is detected by two rollers 9, 10 for guiding the cable which are perpendicular to the cable axis of advance and to the axis of the spool, drivable in rotation by the contact of the cable, and connected to tachometric dynamos which then increase the translational speed of the spool. The means for placing the spool in translation normally drive the spool at a speed which is slightly less than the speed of a winding of contiguous turns. The arrival of the flange opposite the guide means is detected by optical cells 11,12 which are integrally connected to the cable guide. <IMAGE>

IPC 1-7
B65H 54/28

IPC 8 full level
B65H 54/28 (2006.01)

CPC (source: EP)
B65H 54/2803 (2013.01)

Cited by
CN112755967A; CN113734888A; CN108975063A; CN103588023A; FR2931139A1; GB2567701A; FR3017125A1; CN107226382A; NO334552B1; KR20150130268A; CN105189320A; NO20130033A1; US9751716B2; WO2009138354A1; WO2015114242A1; WO2014106644A1; US11358828B2; US8720811B2; US9440817B2

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