

Title (en)

Yarn unwinding assisting device for automatic winder

Title (de)

Garnabwickel-Hilfsvorrichtung für eine automatische Wickelmaschine

Title (fr)

Dispositif d'assistance de déroulement de fil pour enrouleur automatique

Publication

**EP 2573015 B1 20150318 (EN)**

Application

**EP 12177716 A 20120724**

Priority

JP 2011205967 A 20110921

Abstract (en)

[origin: EP2573015A2] A yarn unwinding assisting device (1) is provided with a yarn unwinding assisting unit (U) including a fixed cylinder (first regulating cylinder) (11), a movable cylinder (second regulating cylinder) (13) and a moving structure (4) for moving the movable cylinder (13), and a height adjusting structure (5) for adjusting a height position of the yarn unwinding assisting unit (U) in a direction of a yarn path. The height adjusting structure (5) includes a shaft (50) extendedly fixed in the direction of the yarn path, a clamping member (51) that is attached to the yarn unwinding assisting unit (U), moves along the shaft (50) and can clamp the shaft (50), and an operation lever (52) to manipulate the clamping member (51) to clamp or release the shaft (50).

IPC 8 full level

**B65H 49/02** (2006.01); **B65H 57/22** (2006.01)

CPC (source: EP)

**B65H 57/22** (2013.01); **B65H 2701/31** (2013.01)

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 2573015 A2 20130327**; **EP 2573015 A3 20140402**; **EP 2573015 B1 20150318**; CN 103010834 A 20130403; CN 103010834 B 20160504; JP 2013067459 A 20130418

DOCDB simple family (application)

**EP 12177716 A 20120724**; CN 201210299154 A 20120821; JP 2011205967 A 20110921