

Title (en)

Yarn winding device and yarn unwinding method

Title (de)

Garnwickelmaschine und Garnabwickelverfahren

Title (fr)

Dispositif de bobinage de fil et procédé de déroulement de fil

Publication

EP 2559644 A3 20150930 (EN)

Application

EP 12163739 A 20120411

Priority

JP 2011173598 A 20110809

Abstract (en)

[origin: EP2559644A2] A yarn unwinding assisting device (20) of a yarn winding unit (1) includes a movable cylinder (31) that, during yarn unwinding from a yarn feeding bobbin (8), is to be put on to cap an end portion on a side from which a yarn is unwound of the yarn feeding bobbin (8) to thereby regulate a bulge of a curved path of the yarn. An inner diameter of the movable cylinder (31) is greater than or equal to 28 mm and less than or equal to 30 mm.

IPC 8 full level

B65H 57/22 (2006.01)

CPC (source: EP)

B65H 57/22 (2013.01)

Citation (search report)

[A] US 5377923 A 19950103 - MATSUI ISAMU [JP], et al

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)

EP 2559644 A2 20130220; EP 2559644 A3 20150930; EP 2559644 B1 20160525; CN 102923531 A 20130213; CN 102923531 B 20161228; CN 202924473 U 20130508; JP 2013035664 A 20130221

DOCDB simple family (application)

EP 12163739 A 20120411; CN 201210128518 A 20120425; CN 201220183937 U 20120425; JP 2011173598 A 20110809