

Title (en)

Yarn winding machine and yarn winding method

Title (de)

Garnwickelmaschine und Garnwickelverfahren

Title (fr)

Machine de renvideur de fil et procédé de renvidage de fil

Publication

EP 2221265 B1 20130313 (EN)

Application

EP 09014949 A 20091202

Priority

JP 2009034707 A 20090218

Abstract (en)

[origin: EP2221265A2] The present invention provides a technique to prevent possible ribbon winding regardless of yarn type while inhibiting possible bulging. The winder 1 includes a contact roller 8 configured to come into contact with a package 4 during formation of the package 4, a traverse device 7 located upstream side of the contact roller 8 in the traveling direction of an elastic yarn 2, a free length varying means 9 for enabling the free length FL of the elastic yarn 2 located between the contact roller 8 and the traverse device 7 to be varied during formation of the package 4, and a control section 80 configured to control the free length varying means 9 in such a manner that the free length FL is increased during winding start of the package 4 and then reduced toward winding end.

IPC 8 full level

B65H 54/38 (2006.01)

CPC (source: EP KR)

B65H 49/18 (2013.01 - KR); **B65H 54/38** (2013.01 - KR); **B65H 54/381** (2013.01 - EP); **B65H 59/00** (2013.01 - KR); **B65H 2701/319** (2013.01 - EP)

Cited by

EP2834180A4; CN106743991A; WO2023186537A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2221265 A2 20100825; **EP 2221265 A3 20120118**; **EP 2221265 B1 20130313**; CN 101804925 A 20100818; CN 101804925 B 20130213; JP 2010189127 A 20100902; JP 5236519 B2 20130717; KR 101335495 B1 20131202; KR 20100094328 A 20100826

DOCDB simple family (application)

EP 09014949 A 20091202; CN 201010002853 A 20100121; JP 2009034707 A 20090218; KR 20090104286 A 20091030