

Title (en)

YARN WINDING DEVICE EQUIPPED WITH YARN STORAGE DEVICE

Title (de)

GARNWICKLUNGSVORRICHTUNG MIT GARNSPEICHERVORRICHTUNG

Title (fr)

DISPOSITIF DE BOBINAGE DE FIL ÉQUIPÉ D'UN DISPOSITIF DE STOCKAGE DE FIL

Publication

EP 2998255 B1 20170322 (EN)

Application

EP 15183763 A 20150903

Priority

JP 2014183754 A 20140910

Abstract (en)

[origin: EP2998255A1] Provided is a configuration for reliably obtaining the fluff laying effect in a yarn winding machine including a yarn storage device (5). An automatic winder includes a yarn supplying section, a yarn storage device (5), and a package forming section. The yarn storage device (5) winds and stores a yarn (20) of the yarn supplying section. The package forming section winds the yarn (20) pulled out from the yarn storage device (5) to form a package. The yarn storage device (5) includes a yarn storage roller (32) around which the yarn (20) is wound. An outer circumferential surface of the yarn storage roller (32) includes a storage region surface (32e) in which the yarn (20) is wound in an aligned manner, and a pull-out region surface (32f) through which the yarn (20) passes when the yarn (20) wound in the storage region surface (32e) is pulled out toward the package forming section side. A surface roughness of the pull-out region surface, which is a surface that the yarn (20) passing the pull-out region surface (32f) contacts, is greater than a surface roughness of the storage region surface (32e), which is a surface that the yarn (20) wound in the storage region surface (32e) contacts.

IPC 8 full level

B65H 51/22 (2006.01)

CPC (source: EP)

B65H 51/22 (2013.01); **B65H 2701/31** (2013.01)

Cited by

CN108642685A

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 2998255 A1 20160323; **EP 2998255 B1 20170322**; CN 105398880 A 20160316; CN 105398880 B 20190607; JP 2016055985 A 20160421

DOCDB simple family (application)

EP 15183763 A 20150903; CN 201510494619 A 20150812; JP 2014183754 A 20140910