

Title (en)

Yarn winding device and automatic winder comprising the same

Title (de)

Garnspulvorrichtung und automatischer Spuler damit

Title (fr)

Dispositif de bobinage de fil et enrouleur automatique le comportant

Publication

EP 2159181 B1 20130522 (EN)

Application

EP 09168025 A 20090818

Priority

JP 2008215583 A 20080825

Abstract (en)

[origin: EP2159181A2] A winding unit 10 includes a yarn pool section 71 accumulating a yarn 20 not wound into a package 30 yet, and a servo motor 55 driven to supply the yarn 20 to the yarn pool section 71. The winding unit 10 includes a clearer 15 located on the upstream side of the yarn pool section 71 in order to detect the yarn defect. The winding unit 10 calculates the length of the uneven-thickness portion having passed through the clearer 15 based the amount by which the yarn is fed to the upstream side of the yarn pool section 71 (Fig. 1).

IPC 8 full level

B65H 51/22 (2006.01); **B65H 61/00** (2006.01); **B65H 63/06** (2006.01)

CPC (source: EP)

B65H 51/22 (2013.01); **B65H 61/00** (2013.01); **B65H 63/06** (2013.01); **B65H 2701/31** (2013.01)

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 2159181 A2 20100303; **EP 2159181 A3 20101229**; **EP 2159181 B1 20130522**; CN 101659362 A 20100303; CN 101659362 B 20121121; JP 2010047407 A 20100304

DOCDB simple family (application)

EP 09168025 A 20090818; CN 200910164782 A 20090724; JP 2008215583 A 20080825