

Title (en)

Yarn winding device and automatic winder comprising yarn winding device

Title (de)

Garnwickelvorrichtung und automatischer Wickler mit einer Garnwickelvorrichtung

Title (fr)

Dispositif de bobinage de fil et enrouleur automatique comportant un dispositif de bobinage de fil

Publication

EP 2107025 B1 20130508 (EN)

Application

EP 09155645 A 20090319

Priority

JP 2008089627 A 20080331

Abstract (en)

[origin: EP2107025A2] The invention relates to a winding unit (10) that includes an accumulator (61) which enables that a yarn (20) can be accumulated before it is wound into a package (30), and can be drawn out to a yarn supplying bobbin (21) side under the control of a unit control section (50). When a clearer (15) detects a yarn defect, the unit control section (50) draws out a portion of the yarn containing the yarn defect from the accumulator (61) to the yarn supplying bobbin (21) side. The drawn-out yarn (20) is caught and guided to a splicer device (14) by an upper yarn guide pipe (26). Furthermore, a lower yarn caught by a lower yarn guide pipe (25) is guided to the splicer device (14) for a yarn splicing operation.

IPC 8 full level

B65H 59/10 (2006.01); **B65H 51/22** (2006.01); **B65H 63/06** (2006.01); **B65H 67/08** (2006.01); **B65H 69/06** (2006.01)

CPC (source: EP)

B65H 51/22 (2013.01); **B65H 59/10** (2013.01); **B65H 63/062** (2013.01); **B65H 67/081** (2013.01); **B65H 69/06** (2013.01); **B65H 2701/31** (2013.01)

Cited by

CN105293191A; EP2484620A4; CN111547566A; EP2159181A3; EP3000756A1; CN111485303A; EP2966021A1; EP3072840A1; EP2484619A4; EP3028977A1; EP2594516A4; EP2990367A1; EP2202192A3; EP2365115B1

Designated contracting state (EPC)

DE IT

DOCDB simple family (publication)

EP 2107025 A2 20091007; **EP 2107025 A3 20110504**; **EP 2107025 B1 20130508**; CN 101549806 A 20091007; CN 101549806 B 20130313; EP 2377793 A2 20111019; EP 2377793 A3 20120418; EP 2377793 B1 20121121; JP 2009242042 A 20091022; JP 5007826 B2 20120822

DOCDB simple family (application)

EP 09155645 A 20090319; CN 200910126644 A 20090305; EP 11174044 A 20090319; JP 2008089627 A 20080331