Title (en)
   Yarn winding device and automatic winder

Title (de)
   Garnwickelvorrichtung und automatischer Wickler

Title (fr)
   Dispositif de bobinage de fil et enrouleur automatique

Publication
   EP 2377793 A3 20120418 (EN)

Application
   EP 11174044 A 20090319

Priority
   • EP 09155645 A 20090319
   • 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 51/22 (2006.01); **B65H 59/10** (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)

Citation (search report)
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   • [A] EP 1411015 A2 20040421 - MURATA MACHINERY LTD [JP], et al
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   DE102012020135A1; US2022403562A1; EP2774883A1

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 TR

Designated extension state (EPC)
   AL BA RS

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