

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 2202192 A2 20100630 (EN)

Application
EP 09155649 A 20090319

Priority
JP 2008328862 A 20081224

Abstract (en)
An automatic winder includes a drum driving motor (53) rotating a package (30), an accumulator (61) allowing a yarn (20) to be accumulated before the yarn (20) is wound into the package (30) and allowing the accumulated yarn (20) to be drawn out to a yarn supplying bobbin (21) side, a clearer (15) detecting a yarn defect, and a splicer device (14) performing a yarn splicing operation. The automatic winder includes a first tension applying section (41) located between the yarn supplying bobbin (21) and the accumulator (61), a second tension applying section (42) located between the accumulator (61) and the package (30), and a unit control section (50) controlling the first tension applying section (41) and the second tension applying section (42). (Fig. 1)

IPC 8 full level
B65H 51/22 (2006.01); **B65H 63/02** (2006.01); **B65H 63/04** (2006.01)

CPC (source: EP)
B65H 51/22 (2013.01); **B65H 59/20** (2013.01); **B65H 63/02** (2013.01); **B65H 63/04** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
• JP H05766 A 19930108 - MURATA MACHINERY LTD
• US 3314621 A 19670418 - KAREL BOUS

Cited by
CN107065099A; CN112299146A

Designated contracting state (EPC)
DE IT

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2202192 A2 20100630; **EP 2202192 A3 20101222**; **EP 2202192 B1 20121017**; CN 101759062 A 20100630; CN 101759062 B 20130116; EP 2511214 A1 20121017; EP 2511214 B1 20130612; JP 2010149977 A 20100708; JP 5190703 B2 20130424

DOCDB simple family (application)
EP 09155649 A 20090319; CN 200910126645 A 20090305; EP 12176221 A 20090319; JP 2008328862 A 20081224