

Title (en)
Yarn winding machine

Title (de)
Garnwicklungsmaschine

Title (fr)
Machine de bobinage de fil

Publication
EP 2366650 B1 20131009 (EN)

Application
EP 11153186 A 20110203

Priority
JP 2010060900 A 20100317

Abstract (en)
[origin: EP2366650A2] An automatic winder includes a yarn supplying section (11), a cradle (23), a contact roller (29), a traverse arm (74), a traverse driving motor (76), a splicer device (14), and an upper yarn catching member (26). The cradle 23 rotatably supports a winding bobbin. The contact roller (29) rotates while making contact with a package (30). The traverse arm (74) traverses yarn using a yarn guide section (73) located at a tip end thereof. The traverse driving motor (76) rotationally drives the traverse arm (74). The splicer device (14) connects yarn ends. The upper yarn catching member (26) can catch the yarn end from the package (30). When viewed from an axial direction of the contact roller (29), a rotational axis line (L1) of the traverse arm (74) and a yarn path line (L3), which is formed by extending a yarn path near the yarn guide section (73) at a traverse end, intersect while forming an acute angle or are parallel to each other.

IPC 8 full level
B65H 67/08 (2006.01); **B65H 54/28** (2006.01); **B65H 57/00** (2006.01); **B65H 69/00** (2006.01)

CPC (source: EP)
B65H 54/2827 (2013.01); **B65H 57/003** (2013.01); **B65H 57/006** (2013.01); **B65H 67/085** (2013.01); **B65H 69/00** (2013.01);
B65H 2701/31 (2013.01)

Cited by
DE102014215599B4

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 2366650 A2 20110921; **EP 2366650 A3 20120215**; **EP 2366650 B1 20131009**; CN 102190206 A 20110921; CN 102190206 B 20150401;
CN 202148091 U 20120222; JP 2011195218 A 20111006; JP 5557002 B2 20140723

DOCDB simple family (application)
EP 11153186 A 20110203; CN 201110037647 A 20110211; CN 201120037497 U 20110211; JP 2010060900 A 20100317