

Title (en)

Yarn winding unit, yarn winding apparatus and spinning machine

Title (de)

Garnwickelheit, Garnwickelvorrichtung und Spinnmaschine

Title (fr)

Unité de renvidage, Appareil de renvidage et machine à filer

Publication

EP 2573017 B1 20170809 (EN)

Application

EP 12174300 A 20120629

Priority

JP 2011204556 A 20110920

Abstract (en)

[origin: EP2573017A2] In a spinning machine, a spinning device (9) supplies a spun yarn (10), a winding device (13) winds the spun yarn (10) to form a package (45), a yarn joining device (43) joins an end of the spun yarn (10) on the spinning device (9) side and an end of the spun yarn (10) on the winding device (9) side at a position between the spinning device (9) and the winding device (13), a yarn pooling device (12) pools the spun yarn (10) at a position between the spinning device (9) and the yarn joining device (43), and a cutter (55) cuts the spun yarn (10) at a position between the yarn pooling device (12) and the yarn joining device (43).

IPC 8 full level

B65H 51/22 (2006.01); **B65H 54/71** (2006.01); **B65H 63/06** (2006.01); **B65H 69/06** (2006.01); **D01H 1/115** (2006.01)

CPC (source: EP)

B65H 51/22 (2013.01); **B65H 54/71** (2013.01); **B65H 63/06** (2013.01); **B65H 69/06** (2013.01); **B65H 2701/31** (2013.01); **D01H 1/115** (2013.01)

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 2573017 A2 20130327; **EP 2573017 A3 20160720**; **EP 2573017 B1 20170809**; CN 103010848 A 20130403; CN 103010848 B 20161221; JP 2013063839 A 20130411

DOCDB simple family (application)

EP 12174300 A 20120629; CN 201210195370 A 20120611; JP 2011204556 A 20110920