

Title (en)
Spinning unit and spinning machine

Title (de)
Spinnereinheit und Spinnmaschine

Title (fr)
Unité de filature et fileuse

Publication
EP 2573225 A3 20160706 (EN)

Application
EP 12180222 A 20120813

Priority
JP 2011205329 A 20110920

Abstract (en)
[origin: EP2573225A2] A spinning unit includes a drafting device and a spinning device that supply a spun yarn, a winding device that winds the spun yarn to form a package, and a yarn pooling device that pools the spun yarn between a yarn supplying device and the winding device. The yarn pooling device includes a yarn pooling roller (51) around which the spun yarn is wound, and a first regulating portion (72). The first regulating portion (72) is arranged facing a base end section (52a) on a winding start side of a yarn pooling section (52) where the spun yarn is wound around the yarn pooling roller (51), and regulates a movement of an end of the spun yarn that sways about on the base end section (52a) side when a breakage of the spun yarn occurs on the spinning device side, such that the swaying end of the spun yarn is prevented from moving to a tip end section (52b) of the yarn pooling section (52) before the spun yarn is orderly unwound from the tip end section (52b) side.

IPC 8 full level
D01H 4/48 (2006.01); **B65H 51/22** (2006.01)

CPC (source: EP)
B65H 51/22 (2013.01); **B65H 63/062** (2013.01); **B65H 67/081** (2013.01); **D01H 4/48** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)
• [X] DE 2558419 A1 19770707 - SCHUBERT & SALZER MASCHINEN
• [X] EP 2298971 A1 20110323 - MURATA MACHINERY LTD [JP]
• [XA] EP 2354069 A2 20110810 - MURATA MACHINERY LTD [JP]

Cited by
CN109930260A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2573225 A2 20130327; **EP 2573225 A3 20160706**; **EP 2573225 B1 20190206**; CN 103014934 A 20130403; CN 103014934 B 20160608; JP 2013067873 A 20130418

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