

Title (en)

Yarn winding machine with yarn slack eliminating roller

Title (de)

Garnwicklungsmaschine mit Rolle zur Fadenzwischenspeicherung

Title (fr)

Machine de bobinage de fil avec rouleau intermédiaire accumulateur de fil

Publication

**EP 2365115 A1 20110914 (EN)**

Application

**EP 11151343 A 20110119**

Priority

JP 2010054022 A 20100311

Abstract (en)

A fine spinning machine (1) includes a winding device (12) adapted to wind a traveling yarn and a slack eliminating device (8) adapted to temporarily accumulate the yarn to be wound by the winding device (12). The slack eliminating device(8) includes a slack eliminating roller (30) (yarn accumulating roller) that is rotatable around which the yarn is wound, and a sensor (37) adapted to detect an excessively wound state in which the yarn is wound around a range beyond a yarn accumulating portion (40) (normal winding range) of the slack eliminating roller (30).

IPC 8 full level

**B65H 51/20** (2006.01); **D01H 13/10** (2006.01)

CPC (source: EP)

**B65H 51/22** (2013.01); **D01H 13/10** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)

JP 2009242041 A 20091022 - MURATA MACHINERY LTD

Citation (search report)

- [XP] EP 2169096 A1 20100331 - MURATA MACHINERY LTD [JP]
- [Y] EP 2075359 A2 20090701 - MURATA MACHINERY LTD [JP]
- [Y] DE 3415447 A1 19850110 - VYZK USTAV BAVLNARSKY [CS]
- [A] US 6045081 A 20000404 - OBERSTRASS DETLEV [DE], et al
- [AP] EP 2189557 A1 20100526 - MURATA MACHINERY LTD [JP]

Cited by

CN105523434A; EP2573217A3; EP2573018A3

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 2365115 A1 20110914; EP 2365115 B1 20140416**; CN 102191590 A 20110921; CN 202080772 U 20111221; JP 2011184181 A 20110922

DOCDB simple family (application)

**EP 11151343 A 20110119**; CN 201110045283 A 20110224; CN 201120047270 U 20110224; JP 2010054022 A 20100311