

Title (en)

Hollow guide shaft unit, air-jet spinning device and spinning machine

Title (de)

Hohlführungswelleneinheit, Luftspinnvorrichtung und Spinnvorrichtung

Title (fr)

Unité d'arbre de guidage creux, fileuse à air et fileuse

Publication

**EP 2537968 A3 20150422 (EN)**

Application

**EP 12159062 A 20120312**

Priority

JP 2011136687 A 20110620

Abstract (en)

[origin: EP2537968A2] A spindle unit (35) of a spinning device (9) includes a spindle (24), a holder main body (152), a lock member (153), and a spring section (183). The spindle (24) includes a tip-end portion (30) for receiving an insert of a twisted fiber bundle, and a fiber passage (85) for receiving a passing of the inserted fiber bundle. The holder main body (152) supports the spindle (24). The lock member (153) mechanically couples the spindle (24) with the holder main body (152). The spring section (183) generates force to act upon the spindle (24) so as to displace the tip-end portion (30) towards one side within a movable range under a state in which the spindle (24) is mechanically coupled with the holder main body (152) via the lock member (153), the movable range being a range in which the tip-end portion (30) of the spindle (24) can be moved.

IPC 8 full level

**D01H 4/02** (2006.01); **D01H 1/115** (2006.01)

CPC (source: EP)

**D01H 1/115** (2013.01); **D01H 4/02** (2013.01)

Citation (search report)

- [A] JP 2011038210 A 20110224 - MURATA MACHINERY LTD
- [A] EP 1748094 A1 20070131 - SAURER GMBH & CO KG [DE]

Cited by

EP2966200A3; EP3103902A1; CN106245164A; WO2018087054A1

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 2537968 A2 20121226; EP 2537968 A3 20150422; EP 2537968 B1 20170906**; CN 102839451 A 20121226; CN 102839451 B 20161221; CN 105239224 A 20160113; CN 105239224 B 20180515; CN 202643994 U 20130102; IN 930DE2012 A 20150904; JP 2013002023 A 20130107

DOCDB simple family (application)

**EP 12159062 A 20120312**; CN 201210101822 A 20120409; CN 201220146961 U 20120409; CN 201510724933 A 20120409; IN 930DE2012 A 20120328; JP 2011136687 A 20110620