

Title (en)

Air-jet spinning device and spinning machine

Title (de)

Druckluftspinnvorrichtung und Spinnmaschine

Title (fr)

Fileuse pneumatique et métier à filer

Publication

**EP 2876192 A1 20150527 (EN)**

Application

**EP 14193635 A 20141118**

Priority

JP 2013242880 A 20131125

Abstract (en)

In an air-jet spinning device (7), a nozzle block (70) includes a spinning chamber (73) where fibers are swirled by an action of a swirling air current, and a first nozzle (74) that injects air into the spinning chamber (73). The unit controller (10) causes, in a period between a spinning operation end time and a spinning operation start time, a hollow guide shaft member (80) to move from a spinning position that is the position of the hollow guide shaft member (80) during a spinning operation, to a separated position that is farther from the spinning chamber (73) than the spinning position, and causes a second nozzle (84) to inject air into a passage (81), in a state where the hollow guide shaft member (80) is positioned at the separated position and an outlet (83) of the passage (81) is open to the outside.

IPC 8 full level

**D01H 1/115** (2006.01); **D01H 11/00** (2006.01)

CPC (source: CN EP)

**D01H 1/115** (2013.01 - EP); **D01H 4/02** (2013.01 - CN); **D01H 11/00** (2013.01 - EP)

Citation (applicant)

- JP H06287824 A 19941011 - MURATA MACHINERY LTD
- JP 2001040532 A 20010213 - MURATA MACHINERY LTD
- JP 2001064831 A 20010313 - MURATA MACHINERY LTD

Citation (search report)

- [XY] JP 2001073236 A 20010321 - MURATA MACHINERY LTD
- [XY] US 2007125062 A1 20070607 - SCHAEFFLER GERNOT [DE]
- [Y] EP 1072702 A2 20010131 - MURATA MACHINERY LTD [JP]

Cited by

EP2966200A3; EP3168340A4; EP3470559A1

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 2876192 A1 20150527**; **EP 2876192 B1 20161109**; CN 104651984 A 20150527; CN 104651984 B 20180710; JP 2015101805 A 20150604

DOCDB simple family (application)

**EP 14193635 A 20141118**; CN 201410643150 A 20141107; JP 2013242880 A 20131125