

Title (en)
AIR SPINNING DEVICE

Title (de)
LUFTSPINNVORRICHTUNG

Title (fr)
DISPOSITIF DE FILATURE À AIR

Publication
EP 3428330 A1 20190116 (EN)

Application
EP 18182755 A 20180710

Priority
JP 2017135928 A 20170712

Abstract (en)
Provided is an air spinning device (12) that twists a fiber bundle (T) by a swirling air current occurring in a spinning chamber (49) to form a yarn (Y). The air spinning device (12) includes a hollow guiding shaft unit (60) including a hollow guiding shaft (61, 62, 63) whose tip end part (61a) is arranged in the spinning chamber (49) and in which a fiber passage (61d, 62a, 63a) is formed along an axis line (C); and a rotating unit that rotates the hollow guiding shaft unit (60) around the axis line (C) in forward and reverse directions in a predetermined range.

IPC 8 full level
D01H 1/115 (2006.01)

CPC (source: CN EP)
D01H 1/115 (2013.01 - CN EP)

Citation (applicant)
JP 2016125149 A 20160711 - MURATA MACHINERY LTD

Citation (search report)

- [AD] JP 2016125149 A 20160711 - MURATA MACHINERY LTD
- [A] US 5295349 A 19940322 - OKAMOTO AKIRA [JP]
- [A] JP H07126923 A 19950516 - KOYO SEIKO CO

Cited by
EP4043625A1

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 3428330 A1 20190116; EP 3428330 B1 20200422; CN 109252258 A 20190122; CN 109252258 B 20220621; JP 2019019416 A 20190207

DOCDB simple family (application)
EP 18182755 A 20180710; CN 201810728779 A 20180705; JP 2017135928 A 20170712