

Title (en)

FIBER GUIDE, PNEUMATIC SPINNING DEVICE, AND PNEUMATIC SPINNING UNIT

Title (de)

FASERFÜHRUNG, PNEUMATISCHE SPINNVORRICHTUNG UND PNEUMATISCHE SPINNEINHEIT

Title (fr)

GUIDE DE FIBRES, FILEUSE PNEUMATIQUE ET UNITÉ DE FILAGE PNEUMATIQUE

Publication

EP 4134474 A1 20230215 (EN)

Application

EP 22187486 A 20220728

Priority

JP 2021131728 A 20210812

Abstract (en)

A fiber guide (31) includes a main body (50) and a fiber passage (60). The fiber passage (60) has a first surface (61) disposed mostly in a first region (A1) and a second surface (62) disposed mostly in a second region (A2). The second surface (62) is inclined to be away from the first surface (61) as approaching the outlet (55). The first surface (61) is inclined by 5 degrees or less with respect to the axis (50L), and the second surface (62) is inclined by 5 degrees or more and 30 degrees or less with respect to the axis (50L). In the outlet (55), a first portion (55-1) included in the first region (A1) is smaller than a second portion (55-2) included in the second region (A2).

IPC 8 full level

D01H 1/115 (2006.01)

CPC (source: EP)

D01H 1/115 (2013.01); **D01H 13/04** (2013.01)

Citation (applicant)

- JP 2009001935 A 20090108 - MURATA MACHINERY LTD
- JP 2021025171 A 20210222 - MURATA MACHINERY LTD

Citation (search report)

- [YD] JP 2009001935 A 20090108 - MURATA MACHINERY LTD
- [Y] JP H0782612 A 19950328 - MURATA MACHINERY LTD

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4134474 A1 20230215; **EP 4134474 B1 20240814**; CN 115896992 A 20230404; JP 2023026083 A 20230224

DOCDB simple family (application)

EP 22187486 A 20220728; CN 202210920725 A 20220802; JP 2021131728 A 20210812