

Title (en)
PNEUMATIC SPINNING DEVICE AND PNEUMATIC SPINNING MACHINE

Title (de)
PNEUMATISCHE SPINNVORRICHTUNG UND PNEUMATISCHE SPINNMASCHINE

Title (fr)
DISPOSITIF ET MACHINE DE FILAGE PNEUMATIQUE

Publication
EP 3792381 A1 20210317 (EN)

Application
EP 20193593 A 20200831

Priority
JP 2019166826 A 20190913

Abstract (en)
A pneumatic spinning device includes a fiber guide (101) and a spindle (102). The fiber guide (101) has a linear first passage (111) through which a fiber bundle passes. The spindle (102) has a second passage (122) through which the fiber bundle having passed through the first passage (111) is guided. An inner surface of the first passage (111) has a flat plane portion (151) arranged along the first direction in which the first passage (111) extends between an upstream end (111a) and a downstream end (111b) of the first passage (111). The interval (S1) in the second direction between the downstream end (151a) of the plane portion (151) and the center (122b) of the upstream end (122a) of the second passage (122) is equal to or greater than 0.8 mm and equal to or less than 3.4 mm.

IPC 8 full level
D01H 1/115 (2006.01)

CPC (source: CN EP)
D01H 1/115 (2013.01 - EP); **D01H 4/02** (2013.01 - CN); **D01H 13/04** (2013.01 - CN)

Citation (applicant)
• JP 2003268636 A 20030925 - RIETER AG MASCHF
• JP 2004509243 A 20040325

Citation (search report)
• [YD] EP 1335050 A2 20030813 - RIETER AG MASCHF [CH]
• [Y] WO 2017187293 A1 20171102 - RIETER AG MASCHF [CH]
• [I] DE 102016121331 A1 20180509 - RIETER AG MASCHF [CH]
• [A] EP 2511403 A1 20121017 - RIETER AG MASCHF [CH]
• [A] EP 3309281 A1 20180418 - RIETER AG MASCHF [CH]
• [AD] WO 0224993 A2 20020328 - RIETER AG MASCHF [CH], et al

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

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