

Title (en)
Pneumatic spinning device and spinning machine

Title (de)
Pneumatische Spinnvorrichtung und Spinnmaschine

Title (fr)
Dispositif de filage pneumatique et fileuse

Publication
EP 2369044 A3 20150325 (EN)

Application
EP 11159563 A 20110324

Priority
JP 2010070760 A 20100325

Abstract (en)
[origin: EP2369044A2] A pneumatic spinning device includes a nozzle block (34) and a hollow guide shaft body (20). The nozzle block (34) is provided with a depressurized suction chamber and a whirling chamber having a greater peripheral length than that of the depressurized suction chamber. The nozzle block (34) is provided with at least one air injecting nozzle (27). The air injecting nozzle (27) injects compressed air from a nozzle opening (27a) opening into the whirling chamber, thereby generating whirling airflow in the whirling chamber. A fiber passage is formed in the hollow guide shaft body (20). Moreover, the hollow guide shaft body (20) is arranged such that a tip end at an inlet of the fiber passage is located within the depressurized suction chamber. The nozzle opening (27a) is located downstream in a feeding direction of a fiber bundle than the tip end of the hollow guide shaft body (20).

IPC 8 full level
D01H 1/115 (2006.01); **D01H 4/02** (2006.01)

CPC (source: EP)
D01H 1/115 (2013.01); **D01H 4/02** (2013.01)

Citation (search report)
• [XAI] EP 2009150 A1 20081231 - MURATA MACHINERY LTD [JP]
• [XDAI] JP 2008297687 A 20081211 - MURATA MACHINERY LTD

Cited by
CN112501727A

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 2369044 A2 20110928; EP 2369044 A3 20150325; EP 2369044 B1 20180502; CN 102199816 A 20110928; CN 102199816 B 20150204; CN 202030879 U 20111109; JP 2011202313 A 20111013; JP 5515933 B2 20140611

DOCDB simple family (application)
EP 11159563 A 20110324; CN 201110057901 A 20110304; CN 201120061543 U 20110304; JP 2010070760 A 20100325