

Title (en)

Pneumatic spinning device, spinning unit, spinning machine, and pneumatic spinning method

Title (de)

Pneumatische Spinnmaschine, Spinnereinheit, Spinnmaschine und pneumatisches Spinnverfahren

Title (fr)

Fileuse pneumatique, unité de filage, fileuse et procédé de filage pneumatique

Publication

EP 2573223 A3 20170118 (EN)

Application

EP 12179103 A 20120802

Priority

JP 2011206362 A 20110921

Abstract (en)

[origin: EP2573223A2] A pneumatic spinning device includes a nozzle block (134) including a whirling airflow generating nozzle (127) adapted to inject spinning compressed air into a spinning chamber (126) to generate the whirling airflow in the spinning chamber (126), a flow pipe (200) adapted to enable flow of the spinning compressed air to be supplied to the whirling airflow generating nozzle (127), and a spinning switching valve (203) provided to the flow pipe (200) and adapted to permit or shut the flow of the spinning compressed air that flows through the flow pipe (200). A volume inside a first flow pipe (201) is set such that a length of a fiber bundle (10e) at a yarn end of the spun yarn (10) cut by the shut of the flow of the spinning compressed air is a first length.

IPC 8 full level

D01H 4/02 (2006.01); **D01H 1/115** (2006.01)

CPC (source: EP)

D01H 1/115 (2013.01)

Citation (search report)

- [XAI] EP 1207224 A2 20020522 - MURATA MACHINERY LTD [JP]
- [E] DE 102012101039 A1 20130814 - RIETER AG MASCHF [CH]
- [X] EP 1184495 A2 20020306 - MURATA MACHINERY LTD [JP]
- [XAI] CN 101600826 A 20091209 - OERLIKON TEXTILE GMBH & CO KG [DE]
- [A] EP 1291457 A2 20030312 - MURATA MACHINERY LTD [JP]
- [A] JP 2003278034 A 20031002 - MURATA MACHINERY LTD
- [A] JP H1143829 A 19990216 - MURATA MACHINERY LTD
- [AD] JP 2006144136 A 20060608 - MURATA MACHINERY LTD

Cited by

EP3505661A1

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 2573223 A2 20130327; EP 2573223 A3 20170118; CN 103014931 A 20130403; CN 103014931 B 20161221; JP 2013067885 A 20130418

DOCDB simple family (application)

EP 12179103 A 20120802; CN 201210266716 A 20120730; JP 2011206362 A 20110921