

Title (en)
Air spinning machine

Title (de)
Luftspinnmaschine

Title (fr)
Machine à filer à air

Publication
EP 2199438 A1 20100623 (EN)

Application
EP 09175487 A 20091110

Priority
JP 2008324266 A 20081219

Abstract (en)
A spinning machine includes a spinning chamber 26, a hollow guide spindle 20, a first air chamber 61, a second air chamber 62, a plurality of air channels 64, and a plurality of whirling flow generation nozzles 27. Compressed air is supplied to the first air chamber 61. The air channels 64 connect the first air chamber 61 and the second air chamber 62. The whirling flow generation nozzles 27 connect the second air chamber 62 and the spinning chamber 26. The spinning chamber 26 is formed in a substantially round shape in cross section. The second air chamber 62 is formed in a ring shape around the spinning chamber 26. The air channels 64 are arranged at equal interval in a peripheral direction of the second air chamber 62. A total cross-sectional area of the plurality of the air channels 64 is greater than a total cross-sectional area of the plurality of the whirling flow generation nozzles 27 (Fig. 3)

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 (applicant)
JP 2005220483 A 20050818 - MURATA MACHINERY LTD

Citation (search report)
• [X] DE 4026993 A1 19920227 - SCHLAFHORST & CO W [DE]
• [A] JP 2005220483 A 20050818 - MURATA MACHINERY LTD
• [A] DE 3732708 A1 19880728 - STAHLLECKER FRITZ [DE], et al
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CN103014952A

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

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