

Title (en)  
Air spinning machine

Title (de)  
Luftspinnmaschine

Title (fr)  
Machine à filer à air

Publication  
**EP 2199438 B1 20110525 (EN)**

Application  
**EP 09175487 A 20091110**

Priority  
JP 2008324266 A 20081219

Abstract (en)  
[origin: EP2199438A1] 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)

Cited by  
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

DOCDB simple family (publication)  
**EP 2199438 A1 20100623**; **EP 2199438 B1 20110525**; AT E510941 T1 20110615; CN 101748520 A 20100623; CN 101748520 B 20130731; JP 2010144297 A 20100701; JP 5333987 B2 20131106

DOCDB simple family (application)  
**EP 09175487 A 20091110**; AT 09175487 T 20091110; CN 200910226548 A 20091125; JP 2008324266 A 20081219