

Title (en)

Measures for influencing the axial airflow in the spinning channel of a vortex spinning apparatus

Title (de)

Massnahme zur Beeinflussung der axialen Strömung im Spindelkanal einer Wirbelspinnvorrichtung

Title (fr)

Mesures pour influencer le flux d'air dans un canal de filature d'un métier à filer à vortex

Publication

EP 1288354 A3 20030716 (DE)

Application

EP 02019217 A 20020827

Priority

- CH 16052001 A 20010829
- CH 18192001 A 20011003

Abstract (en)

[origin: EP1288354A2] In a textile spinning process a feed flow (28) of loose individual fibres (F) is drawn into a stationary spindle (27) passage and twisted to yarn, prior to emerging via a passage. The flow of air is esp. regulated and dosed such that no fluid escapes from the spindle passage inlet rim. The spindle passage and effluent air passage are linked such that fluid does not emerge from the spindle inlet to the effluent air passage. The balanced effect is achieved either by bleeding air from or admitting supplementary air into the spindle passage via link passages (40) between the spindle passage and air discharge passage. Also claimed is a commensurate spinning assembly.

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D01H 4/02; **D01H 1/115**

IPC 8 full level

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

CPC (source: EP US)

D01H 1/115 (2013.01 - EP US); **D01H 4/02** (2013.01 - EP US)

Citation (search report)

- [DA] US 5528895 A 19960625 - DENO KOJI [JP]
- [A] US 5159806 A 19921103 - MORI SHIGEKI [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 22 9 March 2001 (2001-03-09)

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ITPT20080014A1; CN113201814A; EP1748094A1; EP2730685A1; DE102012108612A1; WO2016030136A1

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DOCDB simple family (application)

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