

Title (en)

Two-for-one twisting spindle with pneumatic threading device

Title (de)

Doppeldraht-Zwirnspindel mit druckluftbetätigter Einfädelvorrichtung

Title (fr)

Broche à retordre à double torsion avec dispositif d'enfilage pneumatique

Publication

**EP 0489225 B1 19960911 (DE)**

Application

**EP 91110296 A 19910622**

Priority

DE 4037951 A 19901129

Abstract (en)

[origin: EP0489225A1] A two-for-one twisting spindle with pneumatically actuated threading device. The yarn is conveyed through the yarn-guide channel (12) of the yarn-storage disc (3) by means of a compressed-air jet, the outer orifice (12.1) of the yarn-guide channel being followed by a first guide face (14) which is located on the underside of the turntable (2) and which merges into a second guide face (15) curved convexly upwards. At the same time, constructive measures in the region of the outer orifice of the yarn-guide channel ensure that the compressed-air jet issuing from the outer orifice (12.2) has such an extent h in the vertical direction and the radius of curvature R of the second guide face (15) is of such a size that  $R/h \geq 3$  is true of the ratio of the radius of curvature R to the jet extent h. This ensures that, by a utilisation of the Coanda effect, the compressed-air jet is deflected essentially vertically upwards. <IMAGE>

IPC 1-7

**D01H 15/007**; **D01H 7/86**

IPC 8 full level

**D01H 1/10** (2006.01); **D01H 7/86** (2006.01); **D01H 13/00** (2006.01); **D01H 15/007** (2006.01)

CPC (source: EP US)

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