

Title (en)  
FALSE-TWISTER

Publication  
**EP 0121602 B1 19860604 (DE)**

Application  
**EP 83112879 A 19831221**

Priority  
CH 196183 A 19830412

Abstract (en)  
[origin: US4509322A] A false twist unit comprises a suction portion with a suction channel and with an expansion space connected at the throat portion or narrowest position of the suction channel, which expansion space is connected by means of an air connector or exit to a source of negative pressure. A throttle location connects the expansion space with a pneumatic twist imparting means. In the pneumatic false twist spinning process known from the German published Pat. No. 2,722,319 a sliver delivered from an exit roller pair of a drafting mechanism is forwarded through the suction channel in a predetermined direction and thereafter through the throttle location into the twist imparting means. The twist imparting means produces in the core of the yarn or thread a false twist which builds up in such yarn or thread towards the exit roller pair. The wrapping fibers required for the finished yarn or thread are sucked in as edge fibers through the suction channel simultaneously with the yarn core. By means of the expansion space the advantage is obtained that the air flow can be sucked away without substantial disturbance to the yarn travel path in a direction substantially at right angles to such yarn travel path.

IPC 1-7  
**D01H 7/92**; **D02G 1/04**

IPC 8 full level  
**D01H 1/00** (2006.01); **D01H 1/115** (2006.01); **D01H 7/92** (2006.01); **D02G 1/04** (2006.01)

CPC (source: EP KR US)  
**D01H 1/115** (2013.01 - EP US); **D01H 7/92** (2013.01 - KR); **D02G 1/04** (2013.01 - EP US)

Cited by  
EP0375242A3; US4768336A; EP0368108A1; EP0174112A1; CH712489A1; DE3744757A1; US4858420A; US10900144B2

Designated contracting state (EPC)  
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**EP 83112879 A 19831221**; AT 83112879 T 19831221; DE 3363972 T 19831221; IN 1596CA1983 A 19831228; JP 7018984 A 19840410; KR 840000024 A 19840106; US 59424084 A 19840328