

Title (en)  
METHOD AND DEVICE FOR FALSE-TWIST SPINNING

Publication  
**EP 0305971 B1 19910619 (DE)**

Application  
**EP 88114136 A 19880830**

Priority  
CH 333387 A 19870831

Abstract (en)  
[origin: US4823545A] A false-twist spinning unit or apparatus comprises a first spinning disc, such as a top spinning disc and a second spinning disc, such as a bottom spinning disc rotating in opposite directions and arranged in staggered or offset relation at an inter-axis distance from one another such that friction rings thereof form a substantially rhomboid-like crossing surface. Disposed outside the friction rings are suction surfaces which engage the fibers of a sliver delivered from a nip line of an exit roll pair of a sliver feeder and convey such fibers to a yarn core line. The suction surfaces have suction apertures and sucked-off air is transported by suction nozzles coacting with the suction apertures. In operation, at the region of the nip line there is produced a false-twisted yarn core forming a spinning triangle. Edge fibers of the sliver remain outside the spinning triangle and are conveyed by the suction surfaces towards the yarn core line, yet not with the intent of forming a yarn core but for the purpose of being wound around the already formed yarn core. The finished or spun yarn is withdrawn from the false-twist spinning unit by a draw-off roll pair.

IPC 1-7  
**D01H 1/00**

IPC 8 full level  
**D01H 1/00** (2006.01); **D01H 1/11** (2006.01); **D01H 1/115** (2006.01)

CPC (source: EP US)  
**D01H 1/11** (2013.01 - EP US)

Cited by  
EP0415295A1; US5237810A; US5090192A; WO2004092461A1

Designated contracting state (EPC)  
AT CH DE FR GB IT LI

DOCDB simple family (publication)  
**EP 0305971 A1 19890308; EP 0305971 B1 19910619**; AT E64630 T1 19910715; BR 8804423 A 19890328; CN 1031728 A 19890315; DE 3863330 D1 19910725; JP H01168922 A 19890704; US 4823545 A 19890425

DOCDB simple family (application)  
**EP 88114136 A 19880830**; AT 88114136 T 19880830; BR 8804423 A 19880830; CN 88106404 A 19880830; DE 3863330 T 19880830; JP 21532588 A 19880831; US 24100188 A 19880824