

Title (en)

METHOD AND DEVICE FOR SPINNING YARN ACCORDING TO THE OPEN-END-FRICTION SPINNING TECHNIQUE

Publication

EP 0208274 B2 19920205 (DE)

Application

EP 86109126 A 19860704

Priority

CH 302185 A 19850712

Abstract (en)

[origin: US4640089A] Fibers delivered in a freely floating state in a fiber transport passage are to be laid in a predetermined disposition on a friction spinning element, such as a friction spinning drum or disc. For this purpose, an opening region of the fiber transport passage is provided with a converging portion in which the airstream is supplementarily accelerated relative to a preceding acceleration. This supplementary acceleration serves to assist in bringing the fibers into the predetermined disposition on the friction spinning drum. The friction spinning device comprises an opening roller which is rotatably supported in a housing. The housing is connected to the fiber transport passage. The opening of the fiber transport passage extends close to a cylindrical surface of the friction spinning drum. The fibers leaving the opening are transported on the friction spinning drum towards a yarn formation position where they are twisted into a yarn which is withdrawn in a selectable withdrawal direction by withdrawal rollers.

IPC 1-7

D01H 4/16

IPC 8 full level

D01H 4/06 (2006.01); **D01H 4/16** (2006.01); **D01H 4/18** (2006.01); **D01H 4/38** (2006.01)

CPC (source: EP US)

D01H 4/06 (2013.01 - EP US); **D01H 4/16** (2013.01 - EP US); **D01H 4/18** (2013.01 - EP US); **D01H 4/38** (2013.01 - EP US)

Cited by

FR2635339A1; CH681729A5; DE3832110A1; US4938018A; GB2226576A; GB2226576B; US5497609A; WO9005802A1; WO9001575A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

US 4640089 A 19870203; DE 3661549 D1 19890202; EP 0208274 A1 19870114; EP 0208274 B1 19881228; EP 0208274 B2 19920205; IN 167316 B 19901006; JP H0235046 B2 19900808; JP S6215332 A 19870123

DOCDB simple family (application)

US 88337386 A 19860708; DE 3661549 T 19860704; EP 86109126 A 19860704; IN 336MA1986 A 19860430; JP 12388786 A 19860530