

Title (en)

Open-end spinning device, and a procedure for taking up a thread temporarily with the help of such an open-end spinning device

Title (de)

Offenend-Spinnvorrichtung sowie Verfahren zur vorübergehenden Aufnahme eines Fadens mit Hilfe einer derartigen Offenend-Spinnvorrichtung

Title (fr)

Métier à filer à bout libre, et procédé pour enrouler un fil temporairement à l'aide de tel métier

Publication

EP 1182284 A3 20020925 (DE)

Application

EP 01117439 A 20010719

Priority

DE 10041973 A 20000825

Abstract (en)

[origin: EP1182284A2] A thread suction tube (3) which can be moved in a working plane (Ea, EA), can be brought into a further working plane (Eb, EB) and moved within it. An Independent claim is included for corresponding equipment. Preferred features: At least two working planes (Ea, Eb) include an angle alpha between them. The resting position (3a) of the thread suction tube is near the line of intersection (S) of its two working planes (Ea, Eb). Independently of the number of working planes (Ea, Eb; EA, EB) into which the thread suction tube can be transferred, only in one single working plane is there a resting position for the thread suction tube. Working positions (3b, 3c; 3A, 3B, 3C) of the thread suction tube are so appointed, that when the tube is in its working position in a first working plane, a thread extending from a spool resting against the spool drive roller (120), crosses the operational region of the traversing thread guide, but is outside this region when the thread suction tube adopts its working position in a further working plane. The tube can be brought to more than one working position in at least one of its working planes. It is mounted on a pivoting axis. It can be displaced along this axis, which may be mounted in turn, on a further axis which is parallel to the spool drive roller.

IPC 1-7

D01H 4/48; **B65H 51/20**; **D01H 13/12**; **D01H 15/013**

IPC 8 full level

B01D 3/32 (2006.01); **B65H 67/08** (2006.01); **C07C 7/144** (2006.01); **D01H 4/48** (2006.01); **D01H 15/013** (2006.01)

CPC (source: EP US)

B65H 51/205 (2013.01 - EP US); **B65H 54/26** (2013.01 - EP US); **B65H 54/346** (2013.01 - EP US); **B65H 67/081** (2013.01 - EP US); **D01H 4/48** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 150 (C - 422) 15 May 1987 (1987-05-15)

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EP 1182284 A2 20020227; **EP 1182284 A3 20020925**; **EP 1182284 B1 20041201**; CZ 20012777 A3 20020417; DE 10041973 A1 20020307; DE 50104668 D1 20050105; US 2002023422 A1 20020228; US 6662542 B2 20031216

DOCDB simple family (application)

EP 01117439 A 20010719; CZ 20012777 A 20010801; DE 10041973 A 20000825; DE 50104668 T 20010719; US 93511501 A 20010822