

Title (en)

METHOD AND DEVICE FOR PRODUCING AN AUTOMATICALLY TWISTED YARN

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES SELBSTZWIRNGARNS

Title (fr)

PROCEDE ET DISPOSITIF DE FABRICATION D'UN FIL A RETORS AUTOMATIQUE

Publication

EP 1299585 A1 20030409 (DE)

Application

EP 01938135 A 20010428

Priority

- DE 10032708 A 20000707
- EP 0104812 W 20010428

Abstract (en)

[origin: WO0204722A1] The invention relates to a device and method for producing an automatically twisted yarn (1), wherein at least two roves (2, 3) are initially guided between at least one false twisting device (4); the roves (2,3) are periodically and alternately provided with areas consisting of S and Z shaped twists which are separated from each other by areas devoid of twists (0), and the roves (2, 3) are subsequently combined in such a way that they become automatically twisted as a result of their own twists; the areas devoid of twists (0) are provided with a phase difference (ϕ) in the automatically twisted twined yarn (1). In methods and devices known per se used to carry out such methods, the rove threads often break and the automatically twisted yarn (1) lacks resistance. The aim of the invention is to provide a method and device for producing an automatically twisted yarn (1) which is as resistant as possible. The phase difference (ϕ) is thus produced by using at least one deflection roller (5) to guide at least one of the roves (2) onto a guide roller (6) once it has passed through the false twisting device (4), whereupon the roves (2, 3) are combined on the guide surface (6a) of the guide roller (6).

IPC 1-7

D02G 3/28; **D01H 13/04**

IPC 8 full level

D01H 13/04 (2006.01); **D02G 3/28** (2006.01)

CPC (source: EP KR)

D01H 13/04 (2013.01 - EP); **D02G 3/28** (2013.01 - KR); **D02G 3/286** (2013.01 - EP)

Citation (search report)

See references of WO 0204722A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0204722 A1 20020117; AT E274083 T1 20040915; AU 6387201 A 20020121; CN 1170022 C 20041006; CN 1386148 A 20021218; DE 10032708 C1 20020131; DE 50103343 D1 20040923; EP 1299585 A1 20030409; EP 1299585 B1 20040818; EP 1299585 B9 20041201; KR 100493736 B1 20050610; KR 20020063160 A 20020801; TR 200402205 T4 20041021; TW 490516 B 20020611

DOCDB simple family (application)

EP 0104812 W 20010428; AT 01938135 T 20010428; AU 6387201 A 20010428; CN 01801944 A 20010428; DE 10032708 A 20000707; DE 50103343 T 20010428; EP 01938135 A 20010428; KR 20027003048 A 20020307; TR 200402205 T 20010428; TW 90112507 A 20010524