

Title (en)
DEVICE FOR PRODUCING AND WINDING SYNTHETIC THREADS

Title (de)
VORRICHTUNG ZUM HERSTELLEN UND AUFWICKELN SYNTHETISCHER FÄDEN

Title (fr)
DISPOSITIF POUR FABRIQUER ET ENROULER DES FILS SYNTHETIQUES

Publication
EP 1594785 B1 20060628 (DE)

Application
EP 04712510 A 20040219

Priority
• EP 2004001571 W 20040219
• DE 10307500 A 20030221

Abstract (en)
[origin: WO2004074155A1] The invention relates to a device for producing and winding synthetic threads. Said device comprises a spinning device (1) for melt spinning the threads, at least one treatment device (7) for treating the threads and a winding device (16) comprising several winding stations for winding the threads. The winding stations (17. 1, 17. 2, 17. 3) are distributed along a horizontal longitudinal axis of the winding device (16) and a driven guide roller (12) and a respective thread guide (15. 1, 15. 2, 15. 3) per winding station are located upstream of said stations in order to guide the threads. The aim of the invention is to prevent different thread deviations despite varying distances that separate the threads during the treatment and winding of said threads. To achieve this, the guide roller (12) for guiding the threads is aligned vertically with the roller axis and is located at the side of the thread guides (15.1, 15.2, 15.3) in such a way that the threads can be guided essentially in parallel between the guide roller (12) and the thread guides (15.1, 15.2, 15.3).

IPC 8 full level
B65H 51/04 (2006.01); **B65H 54/20** (2006.01); **D01D 7/00** (2006.01)

CPC (source: EP US)
B65H 51/04 (2013.01 - EP US); **B65H 54/20** (2013.01 - EP US); **D01D 7/00** (2013.01 - EP US); **D01D 13/02** (2013.01 - EP US); **B65H 2701/3132** (2013.01 - EP US); **Y10S 425/017** (2013.01 - EP US)

Cited by
DE102011114312A1; DE102010033579A1; DE102022112853B3

Designated contracting state (EPC)
CH DE IT LI

DOCDB simple family (publication)
WO 2004074155 A1 20040902; CN 1325357 C 20070711; CN 1764585 A 20060426; DE 502004000883 D1 20060810; EP 1594785 A1 20051116; EP 1594785 B1 20060628; US 2006003037 A1 20060105; US 7241123 B2 20070710

DOCDB simple family (application)
EP 2004001571 W 20040219; CN 200480007806 A 20040219; DE 502004000883 T 20040219; EP 04712510 A 20040219; US 20857805 A 20050822