

Title (en)
FALSE-TWISTING DEVICE

Title (de)
FALSCHDRALLVORRICHTUNG

Title (fr)
DISPOSITIF DE FAUSSE TORSION

Publication
EP 1664406 B1 20071114 (DE)

Application
EP 04765343 A 20040917

Priority
• EP 2004010450 W 20040917
• DE 10343619 A 20030920

Abstract (en)
[origin: WO2005031051A1] Disclosed is a device for false-twisting a synthetic thread, comprising several shafts that are rotatably mounted on a bearing block. Said shafts are arranged at a respective axial distance from each other so as to form a triangle. Several friction disks are mounted on the shafts so as to be offset relative to each other. The friction disks have a diameter that is large enough for the friction disks to overlap in the center of the triangle while the circumferential surfaces thereof form a wound thread course. In order to lower the thread tension at high production speeds while obtaining a great twisting effect, the degree of overlapping of the friction disks is determined by a ratio between the disk diameter and the axial distance, which is >1.45 , the friction disks having a width ranging between 9.5 mm and 11.5 mm.

IPC 8 full level
D02G 1/08 (2006.01); **D02G 1/04** (2006.01)

CPC (source: EP)
D02G 1/06 (2013.01); **D02G 1/082** (2013.01)

Designated contracting state (EPC)
CH DE IT LI TR

DOCDB simple family (publication)
WO 2005031051 A1 20050407; CN 1856602 A 20061101; DE 10343619 A1 20050414; DE 502004005523 D1 20071227; EP 1664406 A1 20060607; EP 1664406 B1 20071114; TW 200513556 A 20050416

DOCDB simple family (application)
EP 2004010450 W 20040917; CN 200480027191 A 20040917; DE 10343619 A 20030920; DE 502004005523 T 20040917; EP 04765343 A 20040917; TW 93128220 A 20040917