

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  
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CPC (source: EP)  
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