

Title (en)

PROCESS AND DEVICE FOR PRODUCING INDUSTRIAL POLYESTER YARN

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON INDUSTRIEGARNEN AUS POLYESTER

Title (fr)

PROCEDE ET DISPOSITIF DE FABRICATION DE FIBRES INDUSTRIELLES EN POLYESTER

Publication

**EP 0946799 A1 19991006 (DE)**

Application

**EP 97945717 A 19971211**

Priority

- CH 9700463 W 19971211
- CH 314796 A 19961220

Abstract (en)

[origin: WO9828473A1] A process is disclosed for producing industrial yarn by stretch spinning hot spun polyester filaments at speeds from 3,000 to 6,000 m/min. The filament is stretched by a delivery device (1) and by a drafting device (2). The yarn is deflected between a delivery device (1) and a drafting device (2) and slowed down by a yarn tensioner (3) which consists of deflecting rollers (31) and (32) to a speed that satisfies the following equation:  $v_3 = v_1 + (v_2 - v_1) * F$ , in which  $0.5 \leq F < 1$ . A device having a yarn tensioner (3) between the delivery device (1) and the drafting device (2) is disclosed to carry out the process.

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**D02J 1/22**; **D01D 5/16**

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