

Title (en)

PROCESS FOR HIGH-SPEED SPINNING OF POLYESTER FIBER.

Title (de)

VERFAHREN ZUM SCHNELLSPINNEN VON POLYESTERFASERN.

Title (fr)

PROCEDE CONCERNANT LE FILAGE DU POLYESTER A HAUTE VITESSE.

Publication

**EP 0605727 A1 19940713 (EN)**

Application

**EP 93906853 A 19930330**

Priority

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- JP 9300398 W 19930330

Abstract (en)

A process for the high-speed spinning of polyester fiber with remarkably reduced fluffing and yarn breakage to give a package with an excellent put-up in a stabilized manner, wherein the polyester is spun at a spinning rate of 3,000 m/min or above while applying thereto an aqueous emulsion of a spinning finish mainly comprising a monobasic acid ester having an average molecular weight of 300 to 500 and containing (a) 1-15 wt.% of a polyoxyalkylene glycol copolymer having an average molecular weight of 1,000 or above and (b) 0.1-3 wt.% of an organosiloxane compound or a fluoroalkylated compound.

Abstract (fr)

Un procédé concernant le filage des fibres de polyester à haute vitesse, réduit considérablement le peluchage et la rupture du fil et donne un paquet doté d'une présentation excellente et constante. On file le polyester au rythme de 300 m/min. ou plus tout en lui appliquant une émulsion aqueuse de finition de filage comprenant essentiellement un ester d'acide monobasique, d'un poids moléculaire moyen de 300 à 500, qui contient a) 1 à 15 % en poids d'un copolymère de polyoxyalkylène glycol d'un poids moléculaire moyen de 1000 ou plus, et b) 0,1 à 3 % en poids d'un composé à base d'organosiloxane ou d'un composé fluoroalkylé.

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