

Title (en)
STRETCHING IN WATER

Publication
EP 0052845 B1 19840125 (DE)

Application
EP 81109691 A 19811114

Priority
DE 3044073 A 19801124

Abstract (en)
[origin: US4418032A] Polyesters are drawn in the form of thick tows in a predrawing and a main drawing step. Predrawing is carried out at 71 DEG -90 DEG C. in water, and the predraw ratio is chosen in such a manner that the main drawing can be carried out at a minimum of draw tension. Between predrawing and main drawing, the tows cool to below 40 DEG C. Suitable draw ratios for the predrawing are from 1:1.05 to 1:1.6. The main drawing is carried out either in steam or hot water. FIG. 2 shows the curve of draw tension in the main drawing step as function of the draw ratio in the predrawing: there is a distinct minimum.

IPC 1-7
D01D 5/12; **D01F 6/62**

IPC 8 full level
D01D 5/12 (2006.01); **D01F 6/62** (2006.01)

CPC (source: EP US)
D01D 5/12 (2013.01 - EP US); **D01F 6/62** (2013.01 - EP US); **Y10S 264/28** (2013.01 - EP US)

Cited by
EP0745711A1; EP1990393B1

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