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54 **Process for producing a thread of polyamide-6.**

57 Process for producing an interlaced and stretched thread of polyamide-6, which comprises the following steps, carried out in sequence:

(a) extrusion from molten polyamide-6 through the bores of a spinneret;

(b) cooling of the extruded filaments by means of an air stream;

(c) union of the cooled filaments to form a bundle of filaments (the thread) and simultaneous application of a finish liquid;

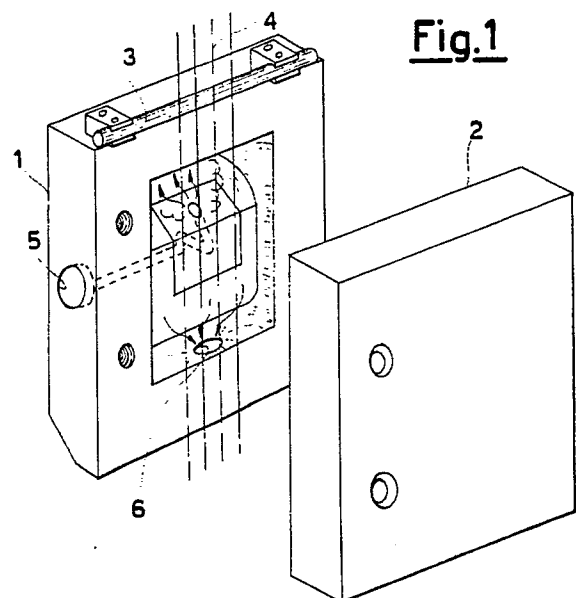
(d) interlacing of the thread treated with the finish liquid;

(e) stretching of the interlaced thread between a collection roll and a stretching roll, carried out in the absence of heating;

(f) relaxation of the interlaced and stretched thread by means of treatment with superheated steam;

(g) winding on a bobbin of the steamed thread.

**EP 0 283 097 A3**





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	FR-A-2 490 252 (INVENTA) * Whole document *	1-16	D 01 F 6/60 D 01 D 5/16 D 01 D 10/02
D,A	GB-A-1 471 395 (BAYER)		
A	FR-A-2 385 822 (RHONE-POULENC-TEXTILE)		
A	EP-A-0 124 454 (RHONE-POULENC FIBRES)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27-04-1990	Examiner BLAS V.M.
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

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