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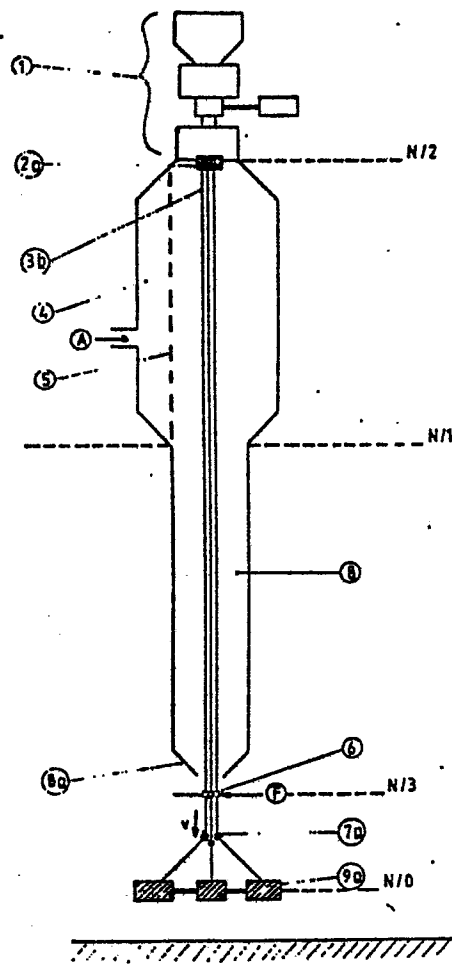
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(54) **Pre-oriented monofilament yarn manufacture.**

(57) There is disclosed a process for manufacturing monofilament yarn of synthetic material, in which spinning material (3b) is hot extruded through a spinneret (2a) and downwardly through a cooling chamber (4) in which cooling air (A) is directed at the material (3b) to form it into filamentary form. Monofilament yarn is taken-up on a take-up device (9a), and a spin-finish oil emulsion is applied to the extruded material via nozzles 6 at a position close to the take-up device (9a). The take-up speed of the monofilament yarn is at least 4000 m/min, and this factor, in combination with the close arrangement of the nozzles 6 to the take-up device, enables monofilament yarn of the pre-oriented type to be obtained using otherwise conventional equipment of the type suitable for producing multifilament yarn, modified to carry out the process of the invention. The position of the nozzles 6 is at a spacing of between 2500 and 6500mm below the spinneret (2a).

FIG. 2





EP 85 30 6585

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)
Y	US-A-2 918 347 (L. NOTARBARTOLO et al.) * Claims; figure; column 2, lines 10-15, 61-67; column 1, lines 40-44 *	1-6	D 01 D 5/096 D 01 D 11/00
Y	US-A-3 353 210 (M.S. HERRING) * Claims *	1-6	
Y	GB-A-2 002 681 (MONSANTO) * Claims *	1-6	
A	EP-A-0 118 375 (RHONE-POULENC)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			D 01 D D 01 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20-10-1987	Examiner VAN GOETHEM G.A.J.M.
CATEGORY OF CITED DOCUMENTS			
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	