

Title (en)

Apparatus for spinning core-skin fibres.

Title (de)

Vorrichtung zum Spinnen von Kern-Mantel-Fasern.

Title (fr)

Dispositif pour le filage de fibres âme-gaine.

Publication

EP 0409207 B1 19950927 (DE)

Application

EP 90113781 A 19900718

Priority

- DE 3923923 A 19890719
- DE 3928740 A 19890830

Abstract (en)

[origin: EP0409207A2] In the apparatus for spinning core/skin fibres consisting of various fibre-forming materials, a preplate (16) is arranged between a distributor plate (14) and a spinneret plate (12). Nozzle capillaries (18) having prechannels (20) are formed in the spinneret plate (12). The materials for the skin and the core of a fibre are fed to the spinneret plate via an annular channel (28) and a feed channel (32), approximately concentric with this, which are formed in the preplate (16). The annular channel (28) is connected via at least one feed channel (30) to at least one guide channel (24) and the central channel (32) for the core material is connected via at least one feed channel (34) to at least one guide channel (26) in the distributor plate (14). By means of the arrangement of a preplate having channels formed therein for the core material and skin material of the fibres, on the one hand high-quality fibres with exact geometries can be produced and on the other hand the number of nozzle capillaries per unit area can be increased to more than 10 per cm², since a compact formation of the channels in the preplate (16) is possible. <IMAGE>

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