

Title (en)

Apparatus for continuous spinning of filaments.

Title (de)

Spinnmaschine zur Kontinuierlichen Herstellung von Filamenten.

Title (fr)

Dispositif pour le filage en continu de filaments.

Publication

**EP 0470949 B1 19950201 (DE)**

Application

**EP 91890175 A 19910808**

Priority

AT 167990 A 19900810

Abstract (en)

[origin: EP0470949A2] Apparatus for the continuous production of extruded filaments by wet spinning with or without an air gap (viscose process, solvent process, NMMO process) comprises at least one pair of rolls (4, 5) whose axes (4', 5') are at an angle to one another not only in a vertical plane of reference but also in a horizontal plane of reference. A filament (1), having passed through a coagulation bath (2) from a spinning jet (3), is guided over the pair of rolls, for example a main roll (4) and an ancillary roll (5), along a solidification zone (8), a washing zone (9) and a drying zone (7), the space between the coils decreasing in the direction of the drying zone (7). Given a horizontal axis position for the main roll (4), the axis (5') of the ancillary roll (5) crosses the main roll axis (4') in the vertical projection at about one third along the length of the main roll axis (4'), namely in the region of the wet zone (7), which includes the solidification zone (8) and the washing zone (9). The angle is adjustable for optimising the running of the filament. The main roll (4) and optionally the ancillary roll (5) can be conical in shape over the whole or a part of their length. <IMAGE>

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**D01D 5/06**; **D01D 10/04**

IPC 8 full level

**D01D 5/06** (2006.01); **D01D 10/04** (2006.01)

CPC (source: EP US)

**D01D 5/06** (2013.01 - EP US); **D01D 10/0445** (2013.01 - EP US)

Citation (examination)

MONCRIEFF R.W. 'man.made fibres' 1975 , NEWNES-BUTTERWORTHS LONDON, GB. page 185, Par.2 - page 187, Par.1, page 186 part 4 - 7.

Cited by

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