

Title (en)

Process and apparatus for melt spinning filaments in which quench gas and finishing liquid are introduced to the filaments through the fibre pack and spinneret.

Title (de)

Verfahren und Vorrichtung zum Schmelzspinnen von Fäden, wobei Kühlgas und Spinnpräparation durch die Fasermasse und die Spinndüse zu den Fäden geleitet werden.

Title (fr)

Procédé et dispositif pour le filage au fondu de filaments dans lequel le gaz de refroidissement et une avivage sont amenés vers les filaments à travers la masse des fibres et la filière.

Publication

EP 0040482 A1 19811125 (EN)

Application

EP 81301913 A 19810430

Priority

- US 14937080 A 19800513
- US 16442580 A 19800630

Abstract (en)

Process and apparatus for melt spinning filaments, the process comprising extruding molten polymer downwardly through a fibre pack (12) and a spinneret (14) and quenching the filaments (16) with a gas, in which the quenching gas for cooling the filaments (16) is supplied through a conduit (24) extending through the pack (12) and the spinneret (14). In a preferred process, a finish substance is applied to the quenched filaments, such finish substance having been supplied through a conduit (40) located within the conduit (24).

IPC 1-7

D01D 5/092

IPC 8 full level

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CPC (source: EP)

D01D 5/092 (2013.01)

Citation (search report)

- [D] US 3969462 A 19760713 - STOFAN RICHARD H
- [AD] US 3259681 A 19660705 - HENRY BULL THOMAS, et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 001, no. 064 (C - 77)

Cited by

US5650112A; DE3822571A1; US5698151A; FR2611748A2; DE3629731A1; FR2587371A1; US5939000A; US5951932A; US5589125A; US5798125A; US5968434A; DE3708168A1; GB2205524A; GB2205524B; US4990297A; WO2023142350A1

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