

Title (en)

Method and apparatus for making fibrils of a thermoplastic polymer.

Title (de)

Verfahren und Vorrichtung zur Herstellung von Fibrillen aus einem thermoplastischen Polymer.

Title (fr)

Procédé et dispositif de fabrication de fibrilles d'un polymère thermoplastique.

Publication

**EP 0000637 A1 19790207 (EN)**

Application

**EP 78300152 A 19780714**

Priority

GB 3045677 A 19770720

Abstract (en)

Fibrils of a thermoplastic polymer are produced. A mixture of the thermoplastic and a liquid, e.g. water and pentane or hexane, flows through a valve from a high to a low pressure zone. The valve contains a spring biased closure member which interrupts the flow when the pressure in the high pressure zone is too low. At low pressure the flow is unstable and the formation of fibrils is unsatisfactory. A preferred apparatus takes the form of an extruder having a spring loaded closure member on the die. The spring stops the extrusion when the pressure in the extruder is too low for satisfactory flash evaporation.

IPC 1-7

**D01D 5/00**; B29F 3/06

IPC 8 full level

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CPC (source: EP US)

**D01D 5/11** (2013.01 - EP US); **D04H 1/4291** (2013.01 - EP US); **D04H 1/56** (2013.01 - EP US); **D04H 1/43835** (2020.05 - EP US)

Citation (search report)

- [A] US 3484899 A 19691223 - SMITH JAMES GERALD
- [A] US 3987139 A 19761019 - KOZLOWSKI JOHN H, et al

Cited by

US5967153A

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0000637 A1 19790207**; IT 1097364 B 19850831; IT 7825945 A0 19780720; US 4183881 A 19800115

DOCDB simple family (application)

**EP 78300152 A 19780714**; IT 2594578 A 19780720; US 83528777 A 19770921