

Title (en)

METHOD AND DEVICE FOR MELT SPINNING AND COOLING A PLURALITY OF SYNTHETIC FILAMENTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SCHMELZSPINNEN UND ABKUHLEN EINER VIELZAHL VON SYNTHETISCHEN FILAMENTEN

Title (fr)

PROCEDE ET DISPOSITIF DE FILAGE PAR FUSION ET DE REFROIDISSEMENT D'UNE PLURALITE DE FILAMENTS SYNTHETIQUES

Publication

EP 1560952 A1 20050810 (DE)

Application

EP 03810948 A 20031024

Priority

- DE 10252169 A 20021109
- EP 0311807 W 20031024

Abstract (en)

[origin: WO2004044282A1] The invention relates to a method and a device for melt spinning and cooling a plurality of synthetic filaments. According to said method, the filaments are first extruded in an annular configuration by means of a spinneret (1) and are then guided along a blowing tube (12) and cooled by a radial air stream emerging from the jacket of the blowing tube. The invention is characterised in that the filaments are pre-cooled for setting purposes prior to being cooled by the jacket air stream, by means of an additional pre-cooling air stream (7), which is generated by a coolant (6) that is located between the spinneret (1) and the blowing tube (12).

IPC 1-7

D01D 5/088; **D01D 5/092**

IPC 8 full level

D01D 5/088 (2006.01); **D01D 5/092** (2006.01)

CPC (source: EP)

D01D 5/088 (2013.01); **D01D 5/092** (2013.01)

Citation (search report)

See references of WO 2004044282A1

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

WO 2004044282 A1 20040527; CN 1711375 A 20051221; DE 50310587 D1 20081113; EP 1560952 A1 20050810; EP 1560952 B1 20081001; JP 2006505705 A 20060216

DOCDB simple family (application)

EP 0311807 W 20031024; CN 200380102936 A 20031024; DE 50310587 T 20031024; EP 03810948 A 20031024; JP 2004550709 A 20031024