

Title (en)

Process and apparatus for the meltspinning of filament yarns

Title (de)

Verfahren und Vorrichtung zur Herstellung von Filamentgarne mittels Schmelzspinnen

Title (fr)

Procédé et dispositif pour le filage au fondu de fils

Publication

**EP 1762644 B1 20110518 (DE)**

Application

**EP 06018300 A 20060901**

Priority

DE 102005042634 A 20050907

Abstract (en)

[origin: EP1762644A1] After emerging from the spinneret, the filaments are cooled by a flow of air in the blowing section (10) and then proceed through the chimney (12B) to the wind-up. The walls (26, 28) of the chimney converge towards the exit. A section (32) is porous e.g. less than 50 % in length and having a porosity of 20 to 40 %, to allow air to escape. With a rectangular chimney only one wall need be porous and additional controlled suction can be provided to assist the flow. Independent claims are included for the following: (1) A chimney in which the access doors have a porosity of less than 20 %, preferably 4 to 8 %; (2) A melt spinning process using such a chimney in which the boundary layer on the inner chimney walls is maintained without interruption along its whole length; (3) A melt spinning process of this kind in which some air can escape from the chimney prior to the exit.

IPC 8 full level

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CPC (source: EP KR)

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