

Title (en)
Spinning device with after heater

Title (de)
Spinnvorrichtung mit Nacherhitzungsschacht

Title (fr)
Dispositif de filage avec appareil d'après chauffage

Publication
EP 0979884 B1 20041117 (DE)

Application
EP 99108819 A 19990504

Priority
DE 19836682 A 19980813

Abstract (en)
[origin: DE19836682C1] The door (1) structure of an after-heater (9), in the path of melt-spun filaments on leaving the spinneret, has a heated metal body (1a). An insulation (1b) is next to the metal body (1a), with a vertical suction channel (1c) at its outer side opening into a horizontal suction channel (1d) at its lower end. The upper part (1e) of the door is linked to a lever (2) as part of a lever mechanism composed of at least one lever, bearing mounting (3) and a counterweight (4). The upper end (1f) of the suction channel (1c) is linked to a flexible hose (7). The upper part (1e) of the door (1) can be linked to two levers (2), each fitted with a draw spring (6) secured to a further mounting (5). The lower part is linked to at least one further lever (8). The vertical suction channel (1c) has a rectangular cross section flow shape at the transit connection to the horizontal suction channel (1d), with a width and height which decrease continuously over the height of the door (1) into a circular cross section at the upper end (1f). The vertical suction channel (1c) is formed by an outer plate (1g) in a release fitting. The lower horizontal suction channel (1d) is defined by a second lower plate, in a release mounting with a vertical sliding movement.

IPC 1-7
D01D 5/084

IPC 8 full level
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