

Title (en)
MELT SPINNING DEVICE

Title (de)
SCHMELZSPINNVORRICHTUNG

Title (fr)
DISPOSITIF DE FILAGE EN FUSION

Publication
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Application
EP 18205891 A 20181113

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Abstract (en)
[origin: EP3492634A1] An object of the present invention is to suppress disturbance of air flow around filaments that have just been spun out, and reduce dispersion of suction quantity of gas between a plurality of exhaust rings. A melt spinning device comprises a spinning unit which spins out filaments from spinnerets, a cooling unit including cooling cylinders, and an exhaust device 4 disposed between the spinning unit and the cooling unit. The exhaust device 4 includes a suction pump 34, exhaust rings 32 provided so as to enclose filaments that were spun out, and an enclosure member 31 which is connected to the suction pump 34, and disposed so as to surround the exhaust rings 32, and in the member, an internal space, where the gas which was spun out from inside of the exhaust rings 32 flow, is formed. In each of the exhaust rings 32, exhaust holes are formed, and area of each exhaust hole 32 of each exhaust ring 32 is 30 mmor less, and percentage of sum of area of the exhaust holes relative to internal area of the exhaust ring 32 is 2.5 % or less.

IPC 8 full level
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