

Title (en)  
SPINNING DEVICE

Title (de)  
SPINNVORRICHTUNG

Title (fr)  
DISPOSITIF DE FILAGE

Publication  
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Application  
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Abstract (en)

[origin: GB2301309A] The invention relates to a spinning device for operating the wet/dry amino-oxide process with: a spinning nozzle having spinning apertures for extruding filaments; a blower device by means of which the extruded filaments can be cooled immediately after leaving the spinning apertures; a container of spinning bath liquid; a bundling unit fitted in the spinning bath liquid to bundle the extruded filaments; and an air gap defined as the distance between the spinning nozzle from the surface of the spinning bath liquid; in which: the bundling unit is at such a distance from the spinning nozzle that the angle (\* small Greek alpha \*) between the filaments to the perpendicular to the spinning bath liquid is  $45\{$  at the most and the relation  $0.1 + .0051 * \text{less than or equal to } * 0.7.d 0 .(h-1)/h$  is satisfied, in which  $d 0$  is the distance (in mm) between a spinning aperture and its neighbouring aperture in the spinning nozzle,  $h$  is the distance (in mm) between the bundling component and the spinning nozzle and  $1$  is the air gap (mm), where  $0.4 \text{ mm} * \text{less than or equal to } * d 0 * \text{less than or equal to } * 2 \text{ mm}$  and  $0 \text{ mm} < 1 < 60 \text{ mm}$ .

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