

Title (en)

DEVICE FOR IMPLEMENTING A DRY/WET SPINNING PROCESS

Title (de)

VORRICHTUNG ZUR DURCHFÜHRUNG EINES TROCKEN-/NASSSPINNVERFAHRENS

Title (fr)

DISPOSITIF PERMETTANT LA MISE EN OEUVRE D'UN PROCEDE DE FILAGE AU SEC ET/OU AU MOUILLE

Publication

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Application

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Priority

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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 $0.1 + .0051 \cdot \alpha$ * less than or equal to $0.7 \cdot d_0 \cdot (h-1)/h$ 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 $0.4 \text{ mm} \cdot \alpha$ * less than or equal to d_0 * less than or equal to 2 mm and $0 \text{ mm} < 1 < 60 \text{ mm}$.

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