Title (en)

DEVICE FOR THE FLOW-THROUGH TREATMENT OF WEB-SHAPED MATERIAL

Title (de)

VORRICHTUNG ZUM DURCHSTRÖMENDEN BEHANDELN VON BAHNFÖRMIGEM MATERIAL

Title (fr)

DISPOSITIF DE TRAITEMENT D'UN MATÉRIAU EN BANDE PAR PASSAGE AU TRAVERS DU MATÉRIAU

Publication

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Application

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Abstract (en)

[origin: WO2011127885A1] The invention relates to a device for the flow-through treatment of web-shaped, gas-permeable material, in particular for drying woven or nonwoven fabrics, having the following characteristics: a screening drum (5), which is rotatably supported and which is connected to a vacuum generator and which has a permeable outer circumference, wherein the material web (M) to be treated rotates around part of the outer circumference of the screening drum (5); a treatment chamber (BH), which accommodates the screening drum and to which the gas to be treated, preferably heated air, is supplied; and, inside the treatment chamber (BH), a screening cover (SD) or corresponding flow-conducting elements, which surround the screening drum (5) in the area around which the material web (M) is wound and by means of which the gas flowing into the treatment chamber (BH) is conducted in the direction of the screening drum surface. According to the invention, the wall (W) of the treatment chamber (BH) facing the outer circumference of the screening drum (S) in the area around which the material web (M) is wound has a decreasing distance (a1, a2, a3) from the surface of the screening drum (S) in said area.

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