

Title (en)

DEVICE FOR TREATING AN ITEM, IN PARTICULAR FOR DRYING A PREFERABLY WEB-SHAPED MATERIAL

Title (de)

VORRICHTUNG ZUM BEHANDELN VON EINEM GUT, INSBESONDERE ZUM TROCKNEN EINES VORZUGSWEISE BAHNFÖRMIGEN GUTS

Title (fr)

DISPOSITIF DE TRAITEMENT D'UN PRODUIT, EN PARTICULIER DESTINÉ À SÉCHER UN PRODUIT DE PRÉFÉRENCE SOUS FORME DE BANDE

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Abstract (en)

[origin: WO2013041429A1] The invention relates to a device for treating a material (20), in particular for drying a preferably strip-shaped material (20), comprising a gaseous treatment medium which flows through the material (20), at least one drum (2) which comprises a gas-permeable drum cover (21) which is at least partially covered with the material (20) which can be transported in the peripheral direction of the drum (2) inside (18) which a low pressure can be set, a treatment chamber (14, 76, 78) surrounding the drum (2). When setting the low pressure inside (18) the drum (2), at least one part of the gaseous treatment medium flows out from the treatment chamber (14, 76, 78) through the material (20) arranged on the drum cover (21) and through the gas-permeable drum cover (21) into the inside of the drum (2). At least one guide plate (4) is arranged in the treatment chamber (14, 76, 78) of the drum (2) so that said treatment chamber (14, 76, 78) is subdivided into at least two channels (11, 12, 13), the at least one guide plate (4) being arranged in such a manner that the at least two channels (11, 12, 13) extend along the periphery of the drum (2).

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