

Title (en)

Apparatus and method for dehumidifying products in pulp form by intensive evaporation.

Title (de)

Vorrichtung und Verfahren zum Entfeuchten von Zellstoff-Produkten durch intensive Verdampfung.

Title (fr)

Dispositif et procédé pour la déshumidification des produits en forme pulpe par évaporation intensive.

Publication

EP 0671503 A2 19950913 (EN)

Application

EP 95500029 A 19950308

Priority

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- ES 9401210 A 19940603

Abstract (en)

The apparatus comprises a housing (1) inside which the pulp is transported, with a hood (9) for the extraction of vapours; means of heating the pulp by a heat-supplying fluid; and a device (10) for pulp conveyance through the housing (1), which consists in a rotating tubular core (11), on the outer surface of which is wound a spiral member (13) forming a worm screw for transportation of the pulp in the housing. In the tubular core (11) is a pipe (14) for feeding vapour, while on the spiral member (13) is fitted at least one coiled tube (16) through which there circulates steam from a connection with the pipe (14) to a cylindrical chamber (15) where it is collected and from which the condensate is discharged to the exterior. The method consists in providing heat to the pulp as it advances, making steam circulate through the interior of the advance mechanism (11,13) and/or through the coiled tube (16) and/or on the exterior of the housing (1). The apparatus has a very high overall heat transmission coefficient, and therefore good thermal performance, achieving highly satisfactory degrees of drying. <IMAGE>

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