

Title (en)

A MULTILAYER HEADBOX FOR A PAPERMAKING MACHINE

Title (de)

MEHRSCICHTENSTOFFAUFLAUF FÜR EINE PAPIERMASCHINE

Title (fr)

CAISSE DE TETE MULTICOUCHE DESTINEE A UNE MACHINE DE FABRICATION DE PAPIER

Publication

EP 0939842 B1 20020904 (EN)

Application

EP 97927534 A 19970529

Priority

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- SE 9602347 A 19960612

Abstract (en)

[origin: WO9747804A1] A multilayer headbox for a papermaking machine which comprises a slice chamber having an upstream inlet and a downstream outlet. A tube bank comprising a plurality of straight tubes is located upstream of the slice chamber. In the slice chamber, at least one machine-wide separator vane is subdividing the slice chamber for the production of multilayered fibrous webs. The separator vane may be a tapered glass fiber reinforced epoxy resin vane or composed of an upstream steel section of constant thickness and a downstream tapered section of glass fiber reinforced epoxy resin. The separator vane has a stiffness, which for at least 70 % of its length is higher than the stiffness of a 1 mm thick reference sheet of a material having a modulus of elasticity of 2100 MPa. In the slice chamber, there is also a plurality of machine-wide turbulence generating elements.

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D21F 1/02

IPC 8 full level

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CPC (source: EP)

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