

Title (en)

HEADBOX FOR A MACHINE FOR PRODUCING A FIBROUS WEB

Title (de)

STOFFAUFLAUF FÜR EINE MASCHINE ZUR HERSTELLUNG DER FASERSTOFFBAHN

Title (fr)

CAISSE DE TÊTE POUR MACHINE DE FABRICATION D'UNE BANDE DE MATIÈRE FIBREUSE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2010069653A1] The invention relates to a headbox (1) which comprises a feed device (4, 5.1; 4, 5.2) feeding the at least one fiber suspension (2), a perforated distribution pipe plate (6) arranged immediately downstream thereof and having a plurality of channels (7) arranged in lines (Z) and columns (S), an intermediate channel (8) arranged downstream thereof, extending over the width (B) of the headbox (1) and having a plurality of means (9, 9.1) for dosing a fluid (10) in partial fluid streams (10.T) to the at least one fiber suspension (2) in a preferably adjustable/controlled manner, the means being spaced apart from each other in the width direction of the headbox (1) and the individual means (9; 9.1) comprising a plurality of dosing channels (11) having respective dosing channel openings (11.O) and an opening center line (11.M), arriving at different levels and being connected to a common supply channel (12). The headbox further comprises a downstream turbulence generator (13) having a plurality of flow channels (14) arranged in lines (Z) and columns (S) and a headbox nozzle (16) which is directly contiguous to the turbulence generator (13) and which has a nozzle gap (17). The headbox (1) according to the invention has a system pressure loss which is substantially composed of a first pressure loss (?p1) between the feed device (4, 5.1; 4, 5.2) and the intermediate channel (8) and a second pressure loss (?p2) in the turbulence generator (13), the second pressure loss (?p2) and the first pressure loss (?p1) being in a ratio ranging from 8:1 to 1:1, preferably from 4:1 to 1:1, particularly from 2:1 to 1:1.

IPC 8 full level

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