Title (en)

HEADBOX FOR A MACHINE FOR PRODUCING A FIBROUS WEB

Title (de)

STOFFAUFLAUF FÜR EINE MASCHINE ZUR HERSTELLUNG EINER FASERSTOFFBAHN

Title (fr)

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

Publication

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Application

EP 09740883 A 20091022

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- DE 102008054899 A 20081218

Abstract (en)

[origin: WO2010069648A1] The invention relates to a headbox (1) which comprises a feed device (4, 5) 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) 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 (9) 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 (11.1) on the outlet side and a dosing channel length (11.L), 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). At least some sections of the channels of the perforated distribution pipe plate (6) have a diffuser (20) and the perforated distribution pipe plate has a length (L) which is = 0.5 · vparting surface (I), TF being the surface of the downstream perforated distribution pipe plate divided by the total number of the channels of the perforated distribution pipe plate (II).

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