

Title (en)

METHOD AND MACHINE FOR PRODUCING A FIBROUS WEB WHICH CAN BE ELONGATED IN THE TRANSVERSE DIRECTION

Title (de)

VERFAHREN UND MASCHINE ZUR HERSTELLUNG IN QUERRICHTUNG DEHNBAREN FASERSTOFFBAHN

Title (fr)

PROCÉDÉ ET MACHINE POUR PRODUIRE UNE BANDE FIBREUSE POUVANT ÊTRE ALLONGÉE DANS LA DIRECTION TRANSVERSALE

Publication

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Application

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Abstract (en)

[origin: WO2021244780A1] The invention relates to a method for producing a fibrous web which can be elongated in the transverse direction, in particular a paper or cardboard web which can be elongated in the transverse direction. The fibrous web exiting a pre-drying section of the production machine in question is brought into contact with a heated rotating cylinder which is smooth and impermeable to steam, and the fibrous web is guided over the heated cylinder together with a circulating elastic belt which is impermeable to steam over a specified or specifiable angle of wrap so as to lie between the elastic belt and the heated cylinder and is pushed against the cylinder by the elastic belt. Prior to being brought into contact with the fibrous web, the elastic belt is supplied with a variably adjustable and/or controllable pretension in the transverse direction. The elastic belt pretension generated in the transverse direction is relieved after forming a steam cushion between the fibrous web and the heated cylinder so that the fibrous web is shrunk together with the elastic belt in the transverse direction in a sliding manner over the steam cushion on the heated cylinder. The invention also relates to a machine for carrying out the method.

IPC 8 full level

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