Title (en)

MULTI-LAYER SCREEN FOR THE WET AREA OF A PAPER MACHINE AND PRODUCT MANUFACTURED USING THE SAME

Title (de)

MEHRLAGIGES SIEB FÜR DEN NASSBEREICH EINER PAPIERMASCHINE UND DAMIT HERGESTELLTES PRODUKT

Title (fr)

TOILE MULTICOUCHE POUR LA REGION HUMIDE D'UNE MACHINE A PAPIER ET PRODUIT FABRIQUE AVEC CELLE-CI

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9906629A1] The invention relates to a multi-layer screen (10, 11) for the wet area of a paper machine and to a tissue paper produced using the same. The inventive screen consists of threads, preferably woven threads, forming at least two layers. These layers are joined to each other by additional threads (14) which are interlaced with the layers. Together with the threads which make up the layers, the additional threads (14) form constricted points (16), said constricted points being spread across the length and breadth of the screen. A significantly less quantity of water can pass through these points than through the areas adjacent thereto. Arranged in special sequences, the additional threads are a means of influencing the drainage of water through the screen at the constricted points for producing tissue paper with alternating areas of high and low GSM substance. The invention therefore provides a simple means of producing a tissue paper with a flexible, thin, non-homogeneous, net-like structure.

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