

Title (en)

Papermaking fabric, in particular a dryer cloth

Title (de)

Papiermaschinenbespannung, insbesondere als Trockensieb

Title (fr)

Toile pour machine à papier, en particulier une toile de séchage

Publication

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Application

EP 00108202 A 20000414

Priority

DE 29908887 U 19990520

Abstract (en)

The blanket for a papermaking machine has a woven structure with ribbon wefts (2) at the side towards the paper and round we filaments at the machine side. At least two of the round weft filaments (6,7) at the machine side lie against part of the ribbon weft (2) on the paper side, and both weft types are bonded together by at least part of the warp filaments (4,5,12,14). The round weft filaments against the ribbon weft (2) are next to each other. The sum of the diameters of the round weft filaments at the ribbon weft (2) does not exceed the longitudinal width along the length of the blanket (1). The blanket contains no additional wefts apart from the two round weft filaments in contact with the under surface of the ribbon wefts (2). The bonding structure of the woven material, by the warps, is only partially at the paper side, and only with round wefts between those again the ribbon wefts. At least part of the wefts in the blanket can be ribbons with projecting longitudinal ribs, at the machine side with a rectangular, trapezoid and/or round cross section. Two or three longitudinal ribs are formed next to each other. The width of the flat wefts, along the longitudinal line of the blanket, is 1-25 mm and preferably 10-15 mm and they have a thickness of 0.2- mm. The warps (4,5,12,14) can have a flat structure with a width on the lateral line of the blanket of 0.5-5.0 mm and with a thickness of 0.2-1.0 mm. The warps (4,5,12,14) bind in only one ribbon weft (2). With at least part of the warps (4,5,12,14), each neighboring pair of warps (4,5) form warp pairs (3,13,15) in an identical bonding with the wefts (2).

Abstract (de)

Die Erfindung betrifft eine Papiermaschinenbespannung, insbesondere als Trockensieb (1), mit einer für die Auflage einer Papierbahn vorgesehenen Papierseite und einer davon abgewandten Maschinenseite, wobei die Papiermaschinenbespannung (1) ein Gewebe aus Längs- und Querfäden (2, 4, 5, 6, 7, 12, 14) hat oder daraus besteht und die Querfäden ein papierseitiges Fadensystem aus Flachquerfäden (2) und ein maschinenseitiges Fadensystem aus Rundquerfäden (6, 7) ausbildet, welche dadurch gekennzeichnet ist, daß jeweils wenigstens zwei Rundquerfäden (6, 7) an der Maschinenseite an zumindest einem Teil der Flachquerfäden (2) anliegen und jeweils ein Flachquerfaden (2) und seine an ihm anliegenden Rundquerfäden (6, 7) von zumindest einem Teil der Längsfäden (4, 5, 12, 14) gemeinsam eingebunden sind. <IMAGE>

IPC 1-7

D21F 1/00

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [A] EP 0580478 A1 19940126 - COFPA [FR]
- [A] EP 0155712 A1 19850925 - ASTEN FAB [BE]
- [A] US 3167281 A 19650126 - HILL HERBERT S

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