

Title (en)

PRESS SECTION IN A PAPER MACHINE, IN WHICH PRESS SECTION ONE OR SEVERAL EXTENDED NIPS IS/ARE APPLIED

Title (de)

PRESSENPARTIE IN EINER PAPIERMASCHINE MIT EINER ODER MEHREREN LANGSPALTPRESSEN

Title (fr)

SECTION PRESSE DE MACHINE A PAPIER DANS LAQUELLE ON APPLIQUE UNE OU PLUSIEURS PINCES ALLONGEES

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Application

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Abstract (en)

[origin: WO9960202A1] A press section in a paper machine, which press section comprises at least two separate press nips (NP1, NP2; N1, N2, N10, N20, N30, NP10, NP11, NP20, NP21, NP30). The paper web (W) is passed through these nips as a closed draw. In the press section there is at least one press nip provided with two press felts (31, 41; 32, 42) that receive water, through which press nip the paper web (W) runs between said press felts (31, 41; 32, 42). After the last-mentioned nip the paper web (W) is separated from one of the press felts (31/41; 32/42) and transferred on support of the other press felt (41/31; 42/32) as a closed draw further. The last nip is an extended-nip zone (NP2; NP10; NP20, NP21, NP30), in which one roll is a shoe roll (12) provided with a hose mantle (14) and with a press shoe arrangement (13), and the other roll is a press suction roll (22) provided with a suction zone (23). The paper web (W) is passed through the last extended-nip zone (NP2; NP10; NP20, NP21, NP30) between two press fabrics (32, 42). Directly after the last extended-nip zone (NP2; NP10; NP20, NP21, NP30) the paper web (W) is separated from one of the press fabrics (32/42) and transferred, with the aid of the vacuum present in the suction zone (23) of the press suction roll (22), to follow the press fabric (42/32) placed at the side of the press suction roll (22) without rewetting. The web (W) is passed on the latter press fabric (32; 42) as a closed draw onto a drying wire (51) of the dryer section. Further, a modification of the press section is described in which an extended-nip zone which corresponds to the extended-nip zone mentioned above and placed as the last nip is placed as the first nip in the press section.

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