

Title (en)

METHOD AND DEVICE IN THE PRESS SECTION OF A PAPER MACHINE FOR DETACHING THE WEB FROM THE FACE OF A PRESS ROLL

Title (de)

VERFAHREN UND VORRICHTUNG IN DER PRESSPARTIE EINER PAPIERMASCHINE ZUM LÖSEN DER BAHN VON EINER PRESSWALZEN OBERFLÄCHE

Title (fr)

PROCEDE ET DISPOSITIF RELATIFS A LA PRESSE D'UNE MACHINE A PAPIER ET SERVANT A DETACHER LA BANDE DE LA FACE D'UN CYLINDRE DE PRESSION

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Application

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Priority

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Abstract (en)

[origin: WO9213133A1] Method and device in the press section of a paper machine for detaching the web (W) from a smooth mantle face (18') of a press roll (18). In the method and in the device, a transfer zone (40a; 50a) is employed, over which a press fabric (23) or a particular transfer fabric (44) is passed so as to accomplish a closed draw of the web (W). The transfer zone (40a, 50a) as well as said fabric (23; 44) form a transfer nip (NS) or a transfer zone with the roll face (18'). At the transfer point, the temperature level (T) of the roll face (18') and/or of the web (W) is set or regulated so high that the pressure (pS) of saturated vapour of the water present in connection with the web (W) and with the roll face (18') which corresponds to said temperature level (T) is substantially equally high as, or just little higher than, the pressure (pO) that has been set to prevail in said transfer zone (40a, 50a), said pressure (pO) being preferably lower than the atmospheric pressure.

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