

Title (en)
Press

Title (de)
Presse

Title (fr)
Presse

Publication
EP 1225271 A2 20020724 (DE)

Application
EP 01127881 A 20011123

Priority
DE 10102535 A 20010119

Abstract (en)

The press section to extract water from a wet web (1), of paper or cardboard or tissue, has a press gap formed by two press rollers. The web is carried through the press gap between two blankets (2,3), and onwards on a path (11) as a sandwich. Both blankets have at least one belt drive (4) outside the roller press gap. The web press section has an extended roller press gap, in the direction (5) of web travel, preferably formed by a shoe press (6) and a cylindrical counter roller (7). At least one blanket is air permeable and absorbs water. The belt drive for each blanket is at blanket deflection rollers (8-10). After the sandwich path (11), the upper blanket (2) is detached from the web, and is preferably moved by a powered deflection roller. The other blanket (3), with the web on its outer surface, travels around a preferably powered deflection roller which also applies suction to the permeable and absorbent blanket or it is deflected by a fixed suction unit. The web is detached from the carrier blanket by a pick-up blanket (12), leaving the carrier blanket to pass around a further deflection roller. The carrier blanket travels at a faster speed after the roller press gap than when in front of it, up to 4% faster and preferably 0.1-0.3% faster. The draw tension on the web is higher after the roller press gap than when in front of it, up to 6 KN/m higher and preferably 0.2-1.2 KN/m higher. The belt drives are controlled according to the blanket tension and/or speed, with a minimizing action related to the loading on the web. The deflection roller which detaches the upper blanket from the web is rotated at a slower speed than the deflection roller which carries off the carrier blanket.

Abstract (de)

Die Erfindung betrifft eine Presse zur Behandlung einer Papier-, Karton-, Tissue- oder einer anderen Faserstoffbahn (1) mit zumindest einem, von zwei Presswalzen gebildeten Pressspalt, durch den neben der Faserstoffbahn (1) beidseitig je ein Band (2,3) läuft, wobei die Faserstoffbahn (1) nach dem Pressspalt über eine Sandwich-Strecke (11) gemeinsam von beiden Bändern (2,3) geführt wird sowie Verfahren zur Antriebsteuerung. Eine sichere Führung sowie eine möglichst geringere Beanspruchung der Faserstoffbahn (1) wird dabei dadurch erreicht, dass beiden Bändern (2,3) außerhalb des Pressspaltes wenigstens ein Bandantrieb (4) zugeordnet ist. <IMAGE>

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IPC 8 full level
D21F 3/02 (2006.01); **D21F 7/02** (2006.01)

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