

Title (en)

LONG NIP PRESS FOR MACHINES TRANSPORTING FIBRE WEBS

Title (de)

LANGSPALTPRESSE FÜR FASERSTOFFBAHNEN TRANSPORTIERENDE MASCHINEN

Title (fr)

PRESSE A PINCE LONGUE POUR MACHINES TRANSPORTANT DES VOILES DE CARDE

Publication

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Application

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Abstract (en)

[origin: WO0244467A1] A long nip press for machines transporting fibre webs, which press drains water from the fibre web (8) and comprises two hydrostatic bearings opposite each other, both comprising a pressure shoe (3a and 3b) comprising a pressure chamber (10a, 10b), the pressure shoe having a sealing element in the form of a flexible pressure-balancing diaphragm (20a, 20b), and a press belt (6a and 6b) to press the fibre web (8) against a fabric (13a, 13b), the pressure-balancing diaphragm (20a, 20b) protruding on its edge-zone (21a, 21b) without support from the inner rim of the pressure shoe towards the pressure chamber (10a, 10b). So as to make the long nip press very simple in structure and to enable self-adjusting, even and efficient lubrication in the nip, the protruding edge-zones (21a, 21b) comprise pinholes (25) for transporting hydraulic fluid. The invention also relates to a pressure-balancing diaphragm.

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