

Title (en)
LONG NIP PRESS

Title (de)
LANGSPALTPRESSE

Title (fr)
PRESSE A LONG INTERSTICE DE PRESSION

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Application
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Abstract (en)
[origin: WO2006117261A1] The invention relates to a long nip press for dewatering a web of paper, cardboard, tissue or other fibrous material (1) in a machine for producing and/or upgrading the same. Said press comprises a press roll (4) with a flexible roll sleeve (9) and a press element (6) with a concave press surface which forces the roll sleeve (9) towards a cylindrical mating roll (5) for producing a long press nip, the diameter of the press roll (4) being less than 1 m. The aim of the invention is to reduce the load on the flexible roll sleeve and the space required. For this purpose, the diameter of the mating roll (5) is more than 0.8 m and the ratio between the length (L) of the press surface in the web transport direction (11) and the diameter of the press roll (4) is less than 0.25 and/or the press roll (4) is wider than the mating roll (5) by not more than 0.6 m.

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