

Title (en)

EXTENDED-NIP PRESS ROLL AND A PRESS SECTION OF A PAPER MACHINE APPLYING IT

Title (de)

PRESSWALZE FÜR EINE LANGSPALTPRESSE UND SEINER ANWENDUNG IN EINER PRESSENPARTIE

Title (fr)

ROULEAU DE PRESSE A PINCE ALLONGEE ET SECTION PRESSE DE MACHINE A PAPIER L'UTILISANT

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Application

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Abstract (en)

[origin: WO9945195A1] The invention relates to an extended-nip press roll (10) for a paper machine, comprising a stationary central axle (15), a loading shoe (11), and hydraulic loading elements (12) situated between the stationary axle (15) and the loading shoe (11), by means of which elements an active frontal face (18) of the loading shoe (11) is pressed against an inner face of a flexible hose mantle (16) of the extended-nip press roll (10) in order to produce a compression pressure in an extended-nip zone (EN; EN1;EN2) formed by said extended-nip press roll with its backup roll (20). The loading shoe (11) and its loading and oil-drain arrangements are substantially symmetrical in relation to the axial centre plane (K-K) of the extended-nip press roll (10) so that the direction of rotation of the hose mantle (16) may be either direction and as required by the position of the extended-nip press roll (10). In addition, press section geometries applying these extended-nip press rolls (10) are presented.

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