

Title (en)
LONG NIP PRESS

Title (de)
LANGSPALTPRESSE

Title (fr)
PRESSE A LONG INTERSTICE DE PRESSION

Publication
EP 1893805 A1 20080305 (DE)

Application
EP 06743206 A 20060315

Priority
• EP 2006060720 W 20060315
• DE 102005020220 A 20050430

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.

IPC 8 full level
D21F 3/02 (2006.01)

CPC (source: EP)
D21F 3/0218 (2013.01)

Citation (search report)
See references of WO 2006117261A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102005020220 A1 20061109; AT E447071 T1 20091115; DE 502006005253 D1 20091210; EP 1893805 A1 20080305;
EP 1893805 B1 20091028; JP 2008540852 A 20081120; JP 4935810 B2 20120523; PL 1893805 T3 20100331; WO 2006117261 A1 20061109

DOCDB simple family (application)
DE 102005020220 A 20050430; AT 06743206 T 20060315; DE 502006005253 T 20060315; EP 06743206 A 20060315;
EP 2006060720 W 20060315; JP 2008508178 A 20060315; PL 06743206 T 20060315