

Title (en)
Extended-nip press

Title (de)
Langspaltpresse

Title (fr)
Presse à ligne de contact élargie

Publication
EP 1619299 A1 20060125 (DE)

Application
EP 05015276 A 20050714

Priority
• DE 102004035092 A 20040720
• DE 202004013639 U 20040901

Abstract (en)
The long gap press between a shoe press roller and a counter roller, to press the moving web at a papermaking machine, has a shoe press roller with a fixed carrier (4) and a rotating flexible roller mantle (5). The ends of the mantle are supported on the carrier by end disks (6), with roller bearings (16) running on bearing rings (18) at the roller journals (12). The bearing rings have an axial sliding movement on bearing sleeves (20). The rings and sleeves form an axial double-action piston/cylinder unit, with the pressure zones (23,24) connected to pressure lines (27,28) to shift the bearing rings by selective pressure.

IPC 8 full level
D21F 3/02 (2006.01)

CPC (source: EP)
D21F 3/0218 (2013.01); **D21F 3/0245** (2013.01)

Citation (applicant)
• DE 3317455 A1 19841115 - VOITH GMBH J M [DE]
• EP 0527881 B1 19950830 - VALMET KARLSTAD AB [SE]
• EP 0527881 A1 19930224 - VALMET KARLSTAD AB [SE]

Citation (search report)
• [A] DE 3317457 A1 19841115 - VOITH GMBH J M [DE]
• [DA] EP 0527881 B

Cited by
EP1801285A1; EP3733962A1; EP3733961A1; CN111851110A; CN111851112A

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

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