

Title (en)
EXTENDED NIP PRESS

Publication
EP 0107607 A3 19841114 (EN)

Application
EP 83630143 A 19830909

Priority
US 42856482 A 19820930

Abstract (en)
[origin: EP0107607A2] It includes an extended press nip between a rotatable roll shell (10) and a shoe (11) having a concave surface (12) facing the nip with a piston (16) and cylinder (17) support for the shoe and a stationary shaft (26) extending through the roll shell (10) and a piston (32) and cylinder (33) support opposite the nip between the roll shell (10) and shaft (26) with the shoes (11, 29) being essentially the same area and providing opposed equal and opposite forces and the ends of the shafts being supported on a universal bearing (27, 28) so as to permit bending of the shaft (26) with the shell (10) being driven by a gear (38) on the shell and drive gears (39, 40) laterally of the nip and spaced diametrically opposite to each other.

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D21F 3/02

IPC 8 full level
D21F 1/00 (2006.01); **D21F 3/02** (2006.01)

CPC (source: EP KR)
D21F 3/00 (2013.01 - KR); **D21F 3/0218** (2013.01 - EP)

Citation (search report)
• [X] GB 2057027 A 19810325 - BELOIT CORP
• [X] US 3853698 A 19741210 - MOHR W
• [A] GB 2062041 A 19810520 - BELOIT CORP
• [A] US 3889334 A 19750617 - JUSTUS EDGAR J, et al
• [A] DE 2307772 A1 19730830 - USM CORP
• [A] FR 2065408 A5 19710723 - KARLSTAD MEK AB, et al

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