

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.

IPC 1-7  
**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)  
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• [A] DE 2307772 A1 19730830 - USM CORP  
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**EP 0107607 A2 19840502; EP 0107607 A3 19841114**; AR 230075 A1 19840229; BR 8305474 A 19840515; DE 107607 T1 19860213; ES 525987 A0 19850101; ES 8502503 A1 19850101; FI 833133 A0 19830902; FI 833133 A 19840331; JP S5966594 A 19840416; KR 840005848 A 19841119

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