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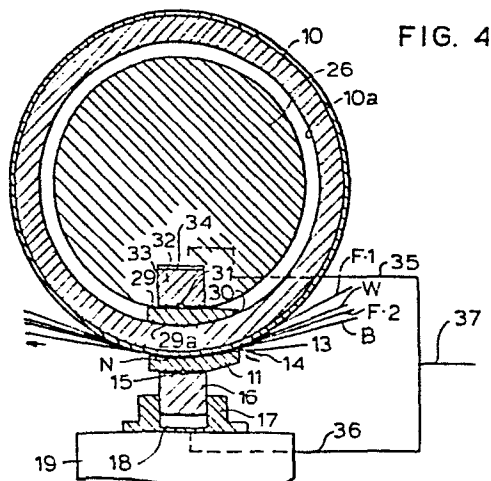
(71) Applicant: **BELOIT CORPORATION**  
**P.O. Box 350**  
**Beloit Wisconsin 53511(US)**

(72) Inventor: **Justus, Edgar J.**  
**1826 Sherwood Drive**  
**Beloit Wisconsin(US)**

(74) Representative: **Dennemeyer, John James et al.**  
**Office Dennemeyer S.à.r.l. P.O. Box 41**  
**L-2010 Luxembourg(LU)**

(54) **Extended nip press.**

(57) 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.





European Patent  
Office

# EUROPEAN SEARCH REPORT

0107607

Application number

EP 83 63 0143

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
X	GB-A-2 057 027 (BELOIT) * Whole document *	1-5	D 21 F 3/02
A		11	
X	--- US-A-3 853 698 (MOHR) * Whole document *	1,3	
A		2,6,11	
A	--- GB-A-2 062 041 (BELOIT) * Whole document *	1,2,7, 8,11	
A	--- US-A-3 889 334 (JUSTUS et al.) * Whole document *	9,11	
A	--- DE-A-2 307 772 (U.S.M.) * Page 9, line 22 - page 10, line 18; page 11, lines 5-9 *	9-12	D 21 F B 30 B F 26 B D 21 G
A	--- FR-A-2 065 408 (KARLSTADS MEKANISKA WERKSTAD) * Whole document *	9-12	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-08-1984	Examiner DE RIJCK F.
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			