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S-200 71 Malmö(SE)(54) **Press section of a paper or board machine.**

(57) The invention concerns a press section of a paper or board machine, comprising a number of rolls (1,11,22,32,44,70) which form press nips (N_1, N_2, N_3, N_4) that dewater the web (in) with each other, the web being arranged to run through said nips. Of the rolls at least one roll (1;70) is a smooth-faced so-called centre roll, which forms a press nip ($N_2, N_3; N_4$) with at least one other press roll (11,32;44), over which a press felt (10,30;40), which has been formed as an endless loop, is passed to absorb water out of the web (in) into said press felt

(10,30;40). The centre roll (1;70) in accordance with the invention is a variable-crown roll, which comprises a metallic roll mantle (2;71) arranged revolving on a stationary roll axle (3;72). The roll includes at least one set of crown-variation means (4,5;73), which are arranged to load the roll mantle (2;71) in the direction of the nip plane ($K_2, K_3; K_4$) of the centre roll (1;70) and the roll (11,32;44) that forms a press nip ($N_2, N_3; N_4$) with said centre roll so as to regulate the profile of linear load in said nip ($N_2, N_3; N_4$).

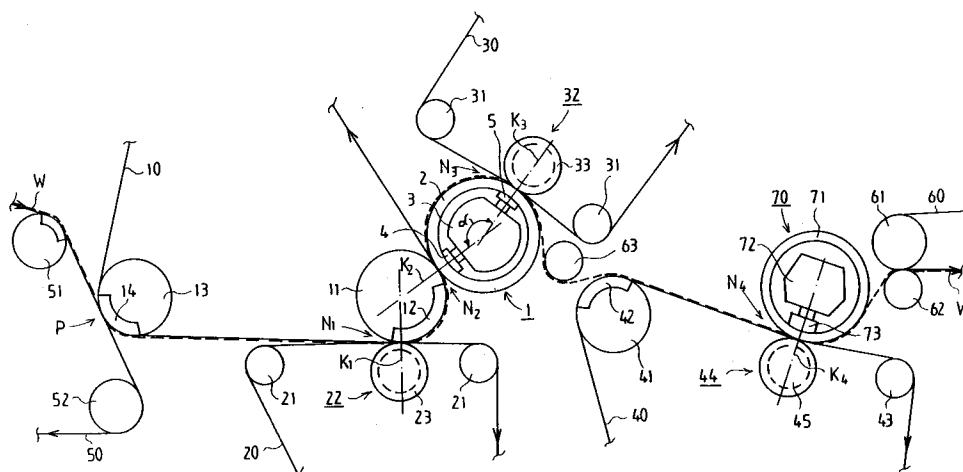


FIG. 1



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EUROPEAN SEARCH REPORT

Application Number

EP 90 85 0218

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.5)
Y	US-A-3 477 907 (ELY, SR) * the whole document * * - - -	1,2	D 21 F 3/04
Y	US-A-3 131 625 (KUSTERS ET AL) * the whole document * * - - -	1,2	
A	FR-A-2 355 117 (ESCHER WYSS) * the whole document * * - - -	1,2	
A	DE-A-3 117 787 (VOITH) * the whole document * * - - -	1,2	
P,A	WO-A-8 909 690 (MILLER) * the whole document * * - - -	1-5	
P,A	DE-A-3 808 293 (VOITH) * the whole document * * - - -	1-5	
P,A	GB-A-2 218 122 (VOITH) * the whole document * * - - - - -	1-5	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D 21 F
Place of search		Date of completion of search	Examiner
The Hague		29 October 91	DE RIJCK F.
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