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(54) Improved frame construction and method in a paper machine press section for facilitating replacement of press rolls and fabrics.

(57) A frame construction and method in a paper machine press section having a compact press roll combination (13, 16, 21, 31) forming at least two press nips (NÉ, NĚ, NĚ) through which a paper web (W) runs, the frame construction and method facilitating the removal and replacement of the fabrics and/or press rolls. The frame construction includes a front frame (50) situated before the press roll combination and a rear frame (70) separate from the front frame situated after the roll combination. The space above the roll combination and between the front and rear frames is opened or openable by pivoting an intermediate frame (60) situated above the roll combination into an open position. The replacement of fabrics and press rolls are carried out by utilizing the open space obtained by pivoting the intermediate frame. The intermediate frame comprises two separate frame parts, namely, a front intermediate frame (60a) which is pivoted around horizontal articulated joints (62a) attached to the front frame (50), and a rear intermediate frame (60b) is pivoted around horizontal articulated joints (62b) attached to the rear frame (70). The intermediate frame is closed by coupling the outer parts thereof to a stationary intermediate frame (60c) part mounted, for example, on the bearing housings of the center roll (16) of the press.

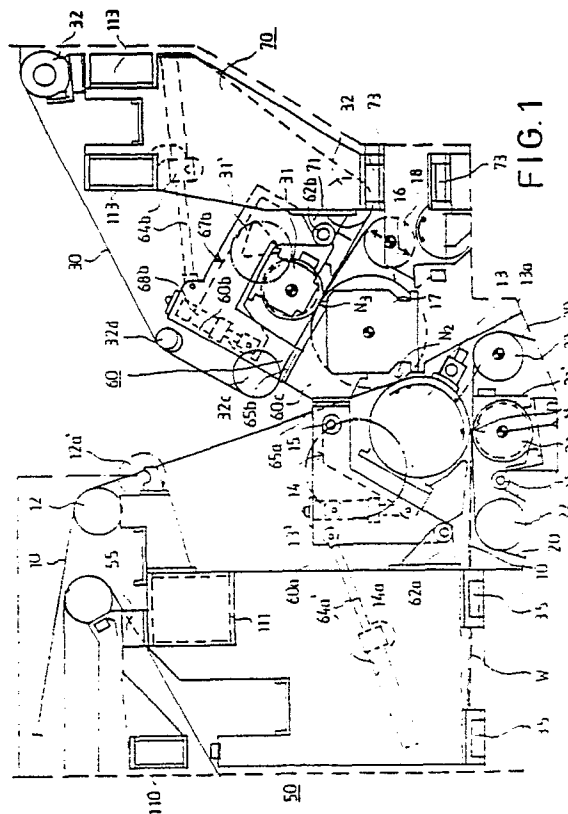


FIG. 1

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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. 4)
P,X	DE-A-3 541 943 (VALMET OY) * Whole document * ---	1-8	D 21 F 3/04 D 21 F 7/00
A	FR-A-2 372 272 (VALMET OY) * Whole document * ---	1,2,4,5 ,7	
A	DE-A-3 330 423 (VALMET OY) * Whole document * ---	1,2,4,5 ,7	
A	DE-A-3 307 362 (VALMET OY) * Whole document * ---	1,2,4,5 ,7	
A	DE-A-3 205 360 (VALMET OY) ---		
A	DE-A-1 947 709 (BLACK CLAWSON) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			D 21 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13-11-1987	Examiner DE RIJCK F.
CATEGORY OF CITED DOCUMENTS 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 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 ----- & : member of the same patent family, corresponding document			