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(54) Web forming method and apparatus.

(57) A method for forming a paper or paperboard web from a fibrous material in the wire section of a paper making machine or equivalent machine comprising a bottom wire loop (2;102) with the main portion of its top run being horizontal or substantially horizontal, and a top wire loop (10;110) working in conjunction with the bottom wire loop; wherein in the method fibre slurry coming out of the headbox (1;101) of the paper making machine is fed to the first part (2a; 102a) of the top run of said bottom wire loop (2;102), which forms the first dewatering zone after which the partly formed fibre layer is led to the second dewatering zone, in the area of which said top wire loop (10;110) moves to cover said partly formed fibre layer in such a way that water removal

water-removal prevention area water is removed from the web (W) through the top wire in the first stage or stages of the double-wired second dewatering zone, which stages comprise a relatively long, planar wire table extending from the headbox to the forming roll (6 in Fig. 1), or from the headbox to the last supporting element (109 in Fig. 2); and that after the first dewatering stage or stages of the double-wired dewatering zone (b) (Fig. 1) or zones (R_o, C) (Fig. 2), after which the web (W) is led to follow the bottom wire (2;102).

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from the fibre layer continues at least in two stages in the area of said second dewatering zone, whereupon the top wire loop (10;110) is separated from the nearly formed web (W) that is led to follow the run of the bottom wire loop (2;102) forward to the next processing stages of the web (W), wherein the method is characterized in that in the single-wired dewatering zone (2a;102a), after the initial water removal is carried out through the bottom wire (2;102), water removal through the bottom wire (2;102) is prevented by means of an element group (9; 109) operating in contact with the inner surface of the horizontal top run of the bottom wires; that in said

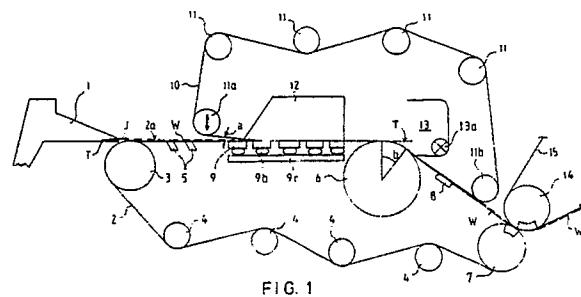


FIG. 1



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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	EP-A-136000 (BELOIT) * the whole document * ---	1-4, 9	D21F1/48 D21F9/00
A	DE-A-2808939 (VOITH) * the whole document * ---	1, 2, 7	
A	DE-A-3315023 (VALMET OY) * the whole document * ---	1, 2	
A	FR-A-2510153 (FELDMUHLE) * the whole document * ---	1, 6	
A	WO-A-8303109 (VALMET OY) * the whole document * ---	1	
A	DE-A-3329833 (AHLSTRÖM OY) * the whole document * ---	10	
P, A	WO-A-8904397 (SULZER-ESCHER WYSS) * the whole document * -----	1, 2, 7, 9	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D21F
The present search report has been drawn up for all claims			
1	Place of search	Date of completion of the search	Examiner
	THE HAGUE	21 SEPTEMBER 1990	DE RIJCK F.
	CATEGORY OF CITED DOCUMENTS	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	
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