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(54) Method in the drying of a paper web and a dryer section of a paper machine

(57) Method and dryer section in contact-drying of a paper web (W). The paper web (W) is dried by means of heated smooth-faced drying cylinders (10, 20A, 20B) by using a number of successive so-called normal groups ( $R_1 \dots R_N$ ) with single-wire draw, in which the drying cylinders (10) are placed in the upper row and the reversing suction cylinders (11) in the lower row. After the press section of the paper machine, the paper web (W) is dried initially in a number of successive groups ( $R_1 \dots R_N$ ) with single-wire draw by pressing the paper web (W) by means of the drying wire (15) of the cylinder group against the heated faces of the drying cylinders (10) and by, in each group ( $R_1 \dots R_N$ ) with single-wire draw, passing the paper web (W) on support of the same drying wire (15) from one drying cylinder (10) onto the other drying cylinder over reversing suction cylinders (11) or rolls. By means of the groups ( $R_1 \dots R_N$ ) with single-wire draw, the paper web (W) is dried to a dry solids content of  $k_1 = 70 \dots 92\%$ . After the drying steps which were carried out exclusively by means of normal groups ( $R_1 \dots R_N$ ) with single-wire draw, the paper web (W) is dried immediately further by means of one single group ( $R_{TW}$ ) with twin-wire draw to its ultimate dry solids content.

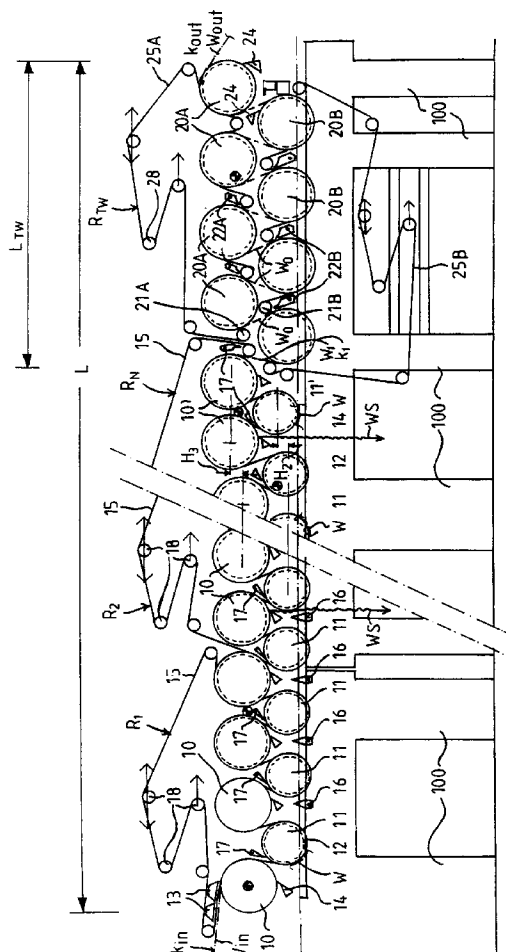


FIG. 1

EP 0 653 515 A3



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# EUROPEAN SEARCH REPORT

Application Number  
EP 94 85 0170

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.6)
P, Y	WO-A-93 22497 (BELOIT) * the whole document * ---	1, 6-12, 14, 17	D21F5/04
Y	DE-A-38 28 743 (VALMET PAPER MACHINERY) * the whole document * ---	1, 6-12, 14, 17	
E	DE-U-94 14 963 (VOITH) * the whole document * ---	1, 8-10, 12, 14, 17	
A	EP-A-0 332 599 (VALMET PAPER MACHINERY) * the whole document * ---	1	
A	US-A-4 821 429 (SIEBERTH) * the whole document * ---	1	
A	DE-U-91 10 134 (VOITH) ---		
A	US-A-4 967 489 (AUTIO) -----		TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			D21F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 December 1995	Examiner De Rijck, F
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