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(54) **Dewatering apparatus.**

(57) A hydrofoil blade and support for use in paper making machine, and a method using a hydrofoil blade for dewatering and forming a paper web on a paper machine forming medium wherein a single phase fluid is formed in a gap between the hydrofoil blade and forming medium, and the gap is extended a sufficient distance in the machine direction to prevent expansion and corresponding cavitation of the single phase fluid in the gap.



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EUROPEAN SEARCH REPORT

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EP 87 85 0008

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)
X	GB-A- 796 374 (ONTARIO PAPER) * Whole document * ---	1,2,6 8,11, 12,14	D 21 F 1/48
X	DE-A-2 321 690 (ESCHER WYSS) * Whole document * ---	1,2,8 12,14	
A	US-A-2 928 465 (WRIST) * Whole document * ---	1,2,5 11,12 14	
A	GB-A-1 382 791 (PULMAC RESEARCH) * Whole document * ---	1,3,4, 17,19	
A	US-A-3 497 420 (CLARK) * Whole document * ---	1,3,4, 5	TECHNICAL FIELDS SEARCHED (Int. Cl. 4) D 21 F
A	FR-A-2 078 978 (JWI) ---		
A	US-A-4 123 322 (HOULT) -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-10-1987	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	