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09.01.91 Bulletin 91/02(71) Applicant: **A. AHLSTROM CORPORATION****SF-29600 Noormarkku(FI)**(72) Inventor: **Niskanen, Toivo**
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D-8000 München 81(DE)(54) **Method and apparatus for improving the control and treatment of fibre suspension flow.**

(57) The present invention relates to a method and an apparatus for optimizing the control and treatment of fibre suspension flow. The invention is mainly intended to be applied in connection with pumping of high consistency pulp in pulp and paper industry. In general, a control valve is provided on the discharge site of the pump in order to regulate the flow.

Problems with high pressure loss across the

control valve or clogging of the valve are eliminated or minimized by the method and apparatus (19) according to the invention, in which in close proximity to the flow side surface of the valve element (19) a fluidizing element (22) is arranged, which fluidizes the pulp to a liquid state so that the pulp can flow through the valve opening (16) and not clog it.

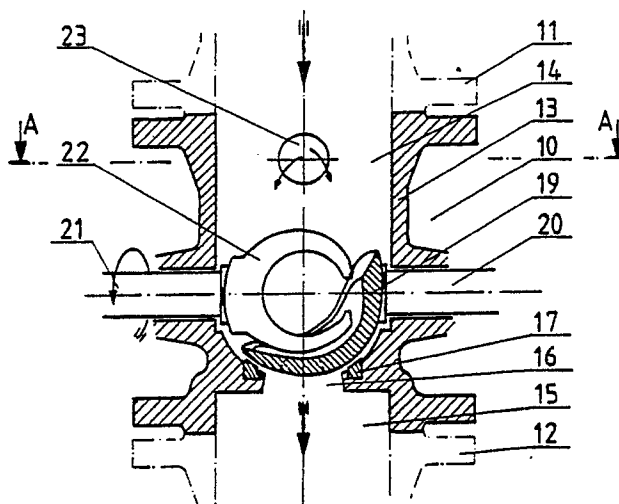


Fig 3

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EUROPEAN SEARCH REPORT

Application Number

EP 88 10 2569

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)														
X	US-A-4 030 969 (ARNE JOHAN ARTHUR ASPLUND) * the whole document * - - - -	1-2	B 01 F 7/00 D 21 C 9/00														
Y,A	DE-A-1 066 544 (ASCHAFFENBURGER ZELLSTOFF- WERKE) * the whole document * - - - -	4,8,10,11															
Y,A	DE-A-3 033 240 (RIESE) * the whole document * - - - -	4,8,10															
A	US-A-4 662 394 (KENNETH R. WILLIAMS) * the whole document * - - - - -	4-6,8															
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)														
			D 21 C B 01 F F 16 K														
The present search report has been drawn up for all claims																	
Place of search The Hague		Date of completion of search 09 November 90	Examiner DURAND F.C.														
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