

(12) **EUROPEAN PATENT APPLICATION**

(21) Application number: **85307666.9**

(51) Int. Cl.⁴: **D 21 F 7/12**

(22) Date of filing: **24.10.85**

(30) Priority: **26.10.84 US 665026**

(43) Date of publication of application:
30.04.86 Bulletin 86/18

(88) Date of deferred publication of search report: **28.01.87**

(84) Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

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(54) **Surge control system.**

(57) A surge control system for dewatering press felts on a papermaking machine which includes a suction pipe (12), a variable speed drive motor (38), a centrifugal exhauster (26) driven by the variable speed drive motor and connected to the suction pipe to provide vacuum to a felt (14) passing over a

slot (18) for dewatering thereof. A surge valve (28) is provided and is opened to admit air to the centrifugal exhauster (26) so as to prevent surge when the centrifugal exhauster is operating at a predetermined level at which the centrifugal exhauster will surge.

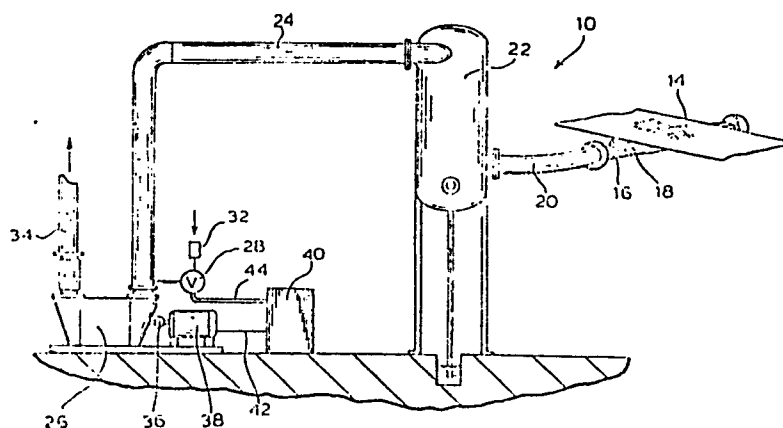


FIG. 1



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 85307666.9
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int Cl 4)
Y,P	<u>US - A - 4 493 608 (PAUL)</u> * Fig. 3 * --	1,3,4	D 21 F 7/12 F 04 D 27/02
Y,D	<u>US - A - 4 398 996 (BOLTON)</u> * Totality * ----	1,3,4	
			TECHNICAL FIELDS SEARCHED (Int Cl 4)
			D 21 F F 04 D
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 07-11-1986	Examiner HOFMANN
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	