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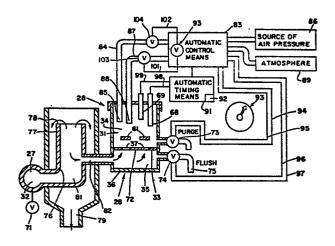
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Fiber length indicating apparatus and methods.

(57) A standpipe (31) is connected into a fiber processing system such as a paper making system, containing refined stock, or unrefined pulp, at operating consistencies. Automatic control cycles a measurement chamber (34) in the standpipe. through intake measure and exhaust. A plate (33) mounted across the measurement chamber has at least one hole (37) of predetermined cross dimension, or diameter, substantially equal to the relative length of fiber desired. Automatic timing establishes a set intake time for slurry, or suspension, to pass through the or each hole (37) and contact lower (68) and/or upper (69) level sensors, or other level indicators, in the chamber. Read-out is provided to indicate "too short", "too long" or "correct length" with each cycle. Differential pressure, across the or each hole during measure, as well as approach velocity, is appropriately controlled.







7 EP 83102884.0

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 83102884.0	
Category	Citation of document w of rele	ith indication, where appropriate, want passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	<u>US - A - 3 330</u> * Totality	O 151 (REINHALL) *	1,6, 13,16- 20	D 21 D 1/20 D 21 G 9/00 D 21 D 1/00
A	DE - C - 342 5 * Totality	·	1,6, 13,16- 20	D 21 F 1/00
A,D	<u>US - A - 3 846</u> * Fig. 6, b	6 231 (CROSBY) Delonging text *	1,6, 13,16- 20	
A,D	<u>US - A - 2 734</u> * Fig. 1-8;	1 378 (MEYERS) columns 4,5 *	1,6,13 16-20	
A,D	<u>US - A - 3 538</u> * Fig. 3; c	3 749 (DANFORTH) column 4 *	1,6,13 16-20	TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
A,D	<u>US - A - 3 873</u> * Fig. 2; o	3 416 (FORGACS) claim 6 *	1,6,13	D 21 D D 21 G G 01 N
	The present search report has t	peen drawn up for all claims		
Place of search VIENNA		Date of completion of the search $19-07-1984$		Examiner HOFMANN

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
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& : member of the same patent family, corresponding document