

Title (en)

Fiber length indicating apparatus and methods.

Title (de)

Vorrichtung und Verfahren zum Anzeigen der Faserlänge.

Title (fr)

Appareil et procédé pour indiquer la longueur de fibres.

Publication

EP 0092678 A2 19831102 (EN)

Application

EP 83102884 A 19830323

Priority

US 36130082 A 19820324

Abstract (en)

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.

IPC 1-7

D21D 1/00; **D21F 1/00**; **D21G 9/00**

IPC 8 full level

G01B 11/30 (2006.01); **D21D 1/00** (2006.01); **D21F 1/00** (2006.01); **D21G 9/00** (2006.01); **G01B 21/30** (2006.01); **G01N 33/34** (2006.01)

CPC (source: EP)

D21D 1/002 (2013.01); **D21F 1/0009** (2013.01); **D21G 9/0018** (2013.01)

Designated contracting state (EPC)

AT DE FR GB SE

DOCDB simple family (publication)

EP 0092678 A2 19831102; **EP 0092678 A3 19841017**; AU 1290283 A 19830929; AU 568806 B2 19880114; BR 8301528 A 19831206; CA 1203599 A 19860422; FI 830951 A0 19830322; FI 830951 L 19830925; FI 831006 A0 19830324; FI 831006 L 19830925; JP S59655 A 19840105

DOCDB simple family (application)

EP 83102884 A 19830323; AU 1290283 A 19830328; BR 8301528 A 19830324; CA 424312 A 19830323; FI 830951 A 19830322; FI 831006 A 19830324; JP 4966683 A 19830324