

Title (en)

Method and device for regulating quality parameters of paper-, tissue- and pulp dewatering machines

Title (de)

Verfahren und Vorrichtung zur Regelung von Qualitätsparametern bei Papier-, Tissue- und Zellstoffentwässerungsmaschinen

Title (fr)

Procédé et dispositif pour régler des paramètres de qualité d'une machine à papier, à tissu ou à égoutter

Publication

EP 1245725 B1 20051207 (DE)

Application

EP 02005501 A 20020311

Priority

AT 5072001 A 20010329

Abstract (en)

[origin: EP1245725A1] The stock inlet, for dewatering in a papermaking or tissue production machine, has at least one outflow for surplus fiber pulp suspension from the distributor. The distributor has a distribution chamber and a turbulence generator with a number of tubes in neighboring rows. The outflows are at the sides of the distribution chamber, to take part-flows in the direction of web travel. The stock inlet, for dewatering in a papermaking or tissue production machine, has outflows from the outermost tubes in the turbulence generating chamber, with control valves. The distribution chamber extends on both sides of the stock inlet, over the width of the uncontrolled zones at the edges of the paper web, across the web width. The width of the turbulence generating chamber is extended into the uncontrolled web edge zones, with additional and shorter turbulence tubes which are about one quarter the length of the other tubes. With a multi-layer stock inlet, separate outflows are fitted for each layer. An Independent claim is included for controlling the lateral profile of the paper web, using part-flows of the fiber pulp suspension at the edges drawn from the sides of the turbulence chamber.

IPC 1-7

D21F 1/06; **D21F 1/02**

IPC 8 full level

D21F 1/02 (2006.01); **D21F 1/06** (2006.01)

CPC (source: EP US)

D21F 1/02 (2013.01 - EP US); **D21F 1/022** (2013.01 - EP US); **D21F 1/06** (2013.01 - EP US)

Cited by

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