

Title (en)

Method and device for keeping clean or cleaning the low consistency line of a headbox system

Title (de)

Verfahren und Vorrichtung zur Reinhaltung beziehungsweise Reinigung des Niederkonsistenzstrangs eines Stoffauflaufsystems

Title (fr)

Procédé et dispositif pour tenir propre ou pour nettoyer le conduit de la faible consistance d'un système de caisse de tête

Publication

EP 0989230 B1 20031217 (DE)

Application

EP 99112924 A 19990705

Priority

DE 19843728 A 19980924

Abstract (en)

[origin: EP0989230A1] To maintain the purity or to clean the low consistency flow at a stock inlet, at a machine for the production of paper or cardboard, the low consistency flow is given an increased proportion of solid particles. As the ratio of solid particles is increased in the low consistency flow, the solid content of the high consistency flow is reduced, where the sum total of the increased solids in the low consistency flow equals the solid reduction in the high consistency flow. The mass of increased solids at a section in the low consistency flow matches the mass of reduced solids in this section of the high consistency flow. The shifts in the amounts of solids between the high and low consistency flows are varied by volume control between the two flows, and between the same section in the two flows. The solid particles are fibers, and preferably long fibers of wood or plastics, with a high cleaning action. The solids are added to the low consistency flow continuously or at intervals. An Independent claim is included for a stock inlet with a pulp density control in sections across the machine width, with a high consistency (1) and a low consistency (2) flow. At least one feed (3) opens into the low consistency flow (2) to deliver solid particles into the flow of suspension. Preferred Features: The low consistency flow (2) has a number of feeds in sections where each of the feeds (3.1) delivers solid particles. A feed system delivers solid particles to sections of the high consistency flow (1). Each feed (3,3.1) for the solid particles has a control valve (7) to set the volume of delivered solids.

IPC 1-7

D21F 1/08; **D21F 1/02**

IPC 8 full level

D21F 1/02 (2006.01); **D21F 1/08** (2006.01)

CPC (source: EP US)

D21F 1/02 (2013.01 - EP US); **D21F 1/08** (2013.01 - EP US)

Designated contracting state (EPC)

AT DE FI SE

DOCDB simple family (publication)

EP 0989230 A1 20000329; **EP 0989230 B1 20031217**; AT E256782 T1 20040115; DE 19843728 A1 20000330; DE 59908079 D1 20040129; US 6214170 B1 20010410

DOCDB simple family (application)

EP 99112924 A 19990705; AT 99112924 T 19990705; DE 19843728 A 19980924; DE 59908079 T 19990705; US 40195399 A 19990923