

Title (en)
Headbox

Title (de)
Stoffauflauf

Title (fr)
Caisse de tête

Publication
EP 1486608 A2 20041215 (DE)

Application
EP 04101270 A 20040326

Priority
DE 10317720 A 20030417

Abstract (en)
In a paper manufacturing process a fibrous solution is continually discharged from a headbox containing vortex generators and terminating in a converging passage. The headbox contains a sensor to monitor the degree of flocculation. The sensor is an optical sensor or radiometric sensor. The sensor (10, 11) is located on the upper or lower lip (5, 6) near the trailing edge. The fibre distribution is modified by a combination of vortex generators, venture constriction, geometry, pneumatically-controlled venturi insert, electrical or magnetic field and/or additives. The fibre distribution is regulated by the sensor signal.

Abstract (de)
Ein Stoffauflauf (1) in einer Maschine zur Herstellung einer Faserstoffbahn aus einer Faserstoffsuspension mit einem Zulauf (20), einem Turbulenzerzeuger (2) und einem Auslauf (4) ist dadurch gekennzeichnet, dass an dem Stoffauflauf (1) ein Sensor (10, 11) zur Messung des Flockungszustands der Faserstoffsuspension angeordnet ist. <IMAGE>

IPC 1-7
D21F 1/00; **D21F 1/02**; **D21G 9/00**

IPC 8 full level
D21F 1/00 (2006.01); **D21F 1/02** (2006.01); **D21F 1/06** (2006.01); **D21F 9/00** (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP)
D21F 1/02 (2013.01); **D21F 9/003** (2013.01)

Cited by
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