

Title (en)

Process for setting a uniform transverse profile for a paper web

Title (de)

Verfahren zur Einstellung eines gleichmässigen Eigenschaftsquerschnitts einer Papierbahn

Title (fr)

Procédé pour ajuster le profil transversal uniforme d'une bande de papier

Publication

EP 0978587 B1 20030423 (DE)

Application

EP 99108743 A 19990503

Priority

DE 19835295 A 19980805

Abstract (en)

[origin: EP0978587A2] To set a consistent characteristic lateral profile in a paper web, the weight cross section profile is measured and adjusted by setting the sectional pulp density at the stock inlet. The lateral formation profile is then set by amending the specific pulp throughput at the delivery jet of the stock inlet. Simultaneously or subsequently, the dimensions of the delivery jet are increased or decreased at points where there is a raised pulp throughput. The change in the delivery jet is proportional to the change in the specific pulp throughput and, after setting, the flow is at the required lateral speed profile. At least one of the setting steps is effected by a control circuit. Additional chemicals are added pref. at the edge zone, to delay and/or increase the water extraction rate from the pulp. The variations in the specific pulp suspension flows are through sectional extraction or addition of a fluid in the Z-direction, together with filling materials where there are zones with a higher throughput. The technique is especially for a paper making machine with a double fourdrinier.

IPC 1-7

D21F 1/08; **D21F 1/06**

IPC 8 full level

D21F 1/06 (2006.01); **D21F 1/08** (2006.01)

CPC (source: EP US)

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EP 0978587 A2 20000209; **EP 0978587 A3 20001122**; **EP 0978587 B1 20030423**; AT E238449 T1 20030515; DE 19835295 A1 20000210; DE 59905149 D1 20030528; US 6203665 B1 20010320

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