

Title (en)

Method and device for improving the cross-machine shrinkage profile in a paper machine

Title (de)

Verfahren und Vorrichtung zur Verbesserung des Schrumpfungs-Querprofils in einer Papiermaschine

Title (fr)

Procédé et dispositif pour améliorer le profil transversal du rétrécissement dans une machine à papier

Publication

EP 0995834 B1 20031112 (DE)

Application

EP 99112905 A 19990705

Priority

DE 19843729 A 19980924

Abstract (en)

[origin: US6303001B1] Process for homogenizing the property cross direction profile of a continuous web made of paper or cardboard and a paper machine that is suitable for carrying out the above-mentioned process. The process is characterized in that the shrinkage cross direction profile of the material web is homogenized during its manufacturing process by controlling the local composition of the stock suspension sectionally across the width by changing the proportions of components that have different shrinkage behaviors. The paper machine includes an approach flow system having at least two regions that produce different stock suspensions with fiber mixtures that have different shrinkage behaviors. The stock suspension supplies from the approach flow system to the headbox have at least two branches for the at least two different stock suspensions. Near the headbox, a plurality of sectional mixing points are provided, which combine the stock suspensions that have different shrinkage behaviors. Paper is produced from the process and device.

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D21F 1/08

IPC 8 full level

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CPC (source: EP US)

D21F 1/022 (2013.01 - EP US); **D21F 1/08** (2013.01 - EP US); **D21G 9/0027** (2013.01 - EP US); **Y10S 162/11** (2013.01 - EP US)

Cited by

CN104480769A; CN100400745C; US6564117B1; US7128808B2; WO0196660A1; WO0149931A1; DE102009028135A1; DE102011003283A1

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