

Title (en)

Paper machine clothing with auxetic fibers and/or yarns

Title (de)

Papiermaschinenbespannung mit auxetischen Fasern und/oder Garnen

Title (fr)

Toile pour machine à papier comprenant des fibres et/ou des fils auxétiques

Publication

EP 1956139 A1 20080813 (EN)

Application

EP 08150947 A 20080201

Priority

US 67215807 A 20070207

Abstract (en)

A paper machine includes a clothing carried by a plurality of rolls. At least one of the rolls is movable to exert a selected tension load on the clothing. The clothing includes auxetic fibers. By moving one of the rolls to exert a selected tension and/or press load on the clothing, a thickness of the auxetic fibers is modified to become thinner under a lesser load or thicker under a greater load.

IPC 8 full level

D21F 7/08 (2006.01); **D21F 1/00** (2006.01)

CPC (source: EP US)

D21F 1/0027 (2013.01 - EP US); **D21F 7/083** (2013.01 - EP US)

Citation (search report)

[A] US 2005181694 A1 20050818 - CROOK ROBERT L [US], et al

Cited by

US12055612B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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