Title (en)

HIGH STRETCH PAPER AND METHOD OF PRODUCING THE SAME

Title (de)

HOCH DEHNBARES PAPIER UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

PAPIER HAUTEMENT EXTENSIBLE ET SON PROCÉDÉ DE PRODUCTION

Publication

**EP 3746597 A1 20201209 (EN)**

Application

**EP 19748308 A 20190201**

Priority

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- CA 2019050129 W 20190201

Abstract (en)

[origin: WO2019148287A1] A method for manufacturing an extensible paper, is herein described. The method comprises the steps of: providing pulp fibers in form of a pulp having a first length-weighted average curl index; -mechanically treating the pulp fibers using a pulp compression process to induce fiber deformations such that the resulting pulp fibers have a second length-weighted average curl index higher than the first length-weighted average curl index; - forming a wet web using the mechanically treated pulp fibers; - drying the wet web under restraint to form a dried web; and - adding a polymer to the dried web. An extensible paper is also described that comprises: - pulp fibers having a length-weighted average curl index CLw; and - a polymer in an amount of from 2 to 40 wt% based on the weight of the extensible paper; wherein the extensible paper has a Gurley air resistance below 20 s/100 mL_ and an elongation at break of at least 7%.

IPC 8 full level

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CPC (source: EP US)

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