

Title (en)
PROCESS FOR INCREASING BULK OF FORESHORTENED FIBROUS WEB

Title (de)
VERFAHREN ZUR ERHÖHUNG DES VOLUMENS VON EINER GEKREPPTEN FASERSTOFFBAHN

Title (fr)
PROCEDE D'AUGMENTATION DU VOLUME DE TOILE DE FIBREUSE RACCOURCIE

Publication
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Application
EP 99924321 A 19990518

Priority

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- US 8073898 A 19980518
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Abstract (en)
[origin: WO9960206A1] A process for increasing bulk of a foreshortened fibrous web comprises adding moisture to at least the web's selected portions, thereby causing the crepe in the selected portions to relax and the selected portions to expand, while retaining the crepe in the rest of the web. A preferred apparatus comprises a pair of opposite surfaces, at least one of which having expansion conduits therethrough, the web being impressed between the surfaces. A temperature differential is created between the two opposite surfaces, sufficient to drive the moisture added to the selected portions therethrough, thus relaxing crepe in the selected portions which expand into the expansion conduits, while the crepe is retained in the rest of the web impressed between the two surfaces.

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