

Title (en)
IMPROVING THE STRENGTH OF PAPER AND BOARD PRODUCTS

Title (de)
VERBESSERUNG DER PAPIERFESTIGKEIT UND KARTONPRODUKTE

Title (fr)
AMÉLIORATION DE LA RÉSISTANCE DU PAPIER ET PRODUITS EN CARTON

Publication
EP 2432934 B1 20130904 (EN)

Application
EP 10722156 A 20100517

Priority

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Abstract (en)
[origin: WO2010133762A1] The present invention concerns a paper or board product with an improved tensile strength comprising cellulose fibres, one or more zirconium carbonate compound(s) and water-insoluble polyvinyl alcohol fibres, and a process for manufacturing such a product, comprising the steps of forming a combined aqueous suspension of cellulose fibres and water-insoluble polyvinyl alcohol fibres, and pressing it into a paper or board product, or pressing layers of water-insoluble polyvinyl alcohol fibres and cellulose fibres into a product having a sandwich-structure, and treating the product before drying with an aqueous solution of a zirconium carbonate compound by impregnating one or more of the surfaces of the product or the complete product with the solution.

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