

Title (en)
DRESSINGS WHICH CAN BE APPLIED SEVERAL TIMES TO TEXTILE FIBRES AND TEXTILE FABRICS

Title (de)
WIEDERBELADBARE AUSRÜSTUNGEN AUF TEXTILEN FASERN UND FLÄCHENGEBILDEN

Title (fr)
APPRETS POUVANT ETRE APPLIQUES PLUSIEURS FOIS SUR DES FIBRES TEXTILES ET DES TISSUS

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Application
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Abstract (en)
[origin: WO2006007753A1] The invention relates to formulations for dressing, dressing layers, dressed textile fibres and textile fabrics and method for dressing textile fibres and textile fabrics. The textiles produced according to said invention can receive, a plurality of times, active substances, or active ingredients, and, according to the applicational function, can be deposited in an isotropic manner to the surrounding medium or in an anisotropic manner in a directly adjacent layer by means of a locally oriented material flow. The dressing layers are characterised by the swellability thereof and their capability of receiving active substances. The polymer layers form nano pockets during swelling which can receive one or several guest molecules. The active substances are released and desorbed whilst carrying the dressed tissue, are assisted by body heat, humidity, friction and movement. Counter to known intelligent biotextiles" based on cyclodextrine, it is possible, according to the invention, to apply an essentially wider spectrum of active substances to the textile surfaces a plurality of times. Said active substances can be deposited when the loaded textiles are carried and can be absorbed by the skin of the carrier, cutaneously or percutaneously, and they produce the desired effect on the destination point.

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