

Title (en)
FINISHINGS FOR TEXTILE FIBRES AND FABRICS TO GIVE HYDROPHOBIC OLEOPHOBIC AND SELF-CLEANING SURFACES

Title (de)
AUSRÜSTUNGEN AUF TEXTILEN FASERN UND FLÄCHENGEBILDEN ZUR ERREICHUNG VON HYDROPHOBEN, OLEOPHOBEN UND SELBSTREINIGENDEN OBERFLÄCHEN

Title (fr)
APPRETS SUR FIBRES TEXTILES ET SUR DES PRODUITS PLATS POUR L'OBTENTION DE SURFACES HYDROPHOBES, OLEOPHOBES ET AUTONETTOYANTES

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Application
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Abstract (en)
[origin: WO2006007754A1] The invention relates to a method for coating fibres and material to achieve particular properties such as water repellency, oil-repellency and/or self-cleaning. Said particular properties are achieved by means of a pre-treatment of the fibres or the material and a subsequent coating with prepolymers and nanoparticles. The prepolymers are partly substituted with hydrocarbon groups or with fluorocarbon groups. The nanoparticles themselves can have surfaces treated with hydrocarbons or fluorocarbons. The prepolymers are fixed and hardened by irradiation with light of a wavelength from UV to visible.

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