

Title (en)

METHOD FOR THE PRODUCTION OF A HYDROPHILIC COATING OF A FLUOROPOLYMER MATERIAL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER HYDROPHILEN BESCHICHTUNG EINES FLUORPOLYMER MATERIALS

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN REVÊTEMENT HYDROPHILE D'UN MATÉRIAU FLUOROPOLYMÈRE

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Application

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Abstract (en)

[origin: WO2022243162A1] The invention relates to a method for preparing a hydrophilic coating of a fluoropolymer material, preferably a fluoropolymer film, comprising the following steps: providing an aqueous dispersion of silicate nanoparticles, applying the silicate dispersion to the fluoropolymer material, and drying the applied coating, whereby a coated fluoropolymer material having a contact angle with water below 30° is obtained. The fluoropolymer material coated in this way is extremely weather-resistant and has a long service life.

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