

Title (en)

AQUEOUS DISPERSION OF INORGANIC NANOPARTICLES, METHOD FOR THE PRODUCTION AND USE THEREOF

Title (de)

WÄSSRIGE DISPERSION VON ANORGANISCHEN NANOPARTIKELN, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG

Title (fr)

DISPERSION AQUEUSE DE NANOPARTICULES ANORGANIQUES, PROCEDE DE FABRICATION ET UTILISATION

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Application

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Abstract (en)

[origin: WO03095532A1] The invention relates to an aqueous dispersion having a pH-value of between 2 and 7, containing A) at least one swellable polymer or oligomer having anionic and/or potentially anionic functional groups, B) a surface-modified, cationically stabilised, inorganic nanoparticle of at least one type and C) at least one amphiphile. The invention also relates to the use thereof in the production of highly scratch-resistant coatings, moulded parts and self-supporting films.

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