

## Title (en)

HIGHLY CONCENTRATED AQUEOUS DISPERSIONS CONTAINING HYDROPHILIC MICROFINE METAL OXIDE PARTICLES AND A DISPERSANT

## Title (de)

HOCHKONZENTRIERTE WÄSSRIGE DISPERSIONEN ENTHALTEND HYDROPHILE MIKROFEINE METALLOXIDPARTIKEL UND DISPERGIERHILFSMITTEL

## Title (fr)

DISPERSIONS AQUEUSES HAUTE CONCENTRATION RENFERMANT DES PARTICULES D'OXYDE METALLIQUE HYDROPHILES MICROFINES ET UN AGENT DISPERSANT

## Publication

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## Application

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## Abstract (en)

[origin: US2003229172A1] Aqueous dispersions comprising microfine metal oxide particles and dispersion auxiliaries, wherein, as dispersion auxiliaries, at least one of the compounds of the general formula (I) in which M is hydrogen, monovalent or divalent metal cation, ammonium ion, organic amine radical; a is 1, or where M is a divalent metal cation, is  $\frac{1}{2}$ ; X is likewise -OMa or -O-(CpH<sub>2</sub>pO)<sub>q</sub>-R<1> where R<1>=H, aliphatic hydrocarbon radical having 1-20 carbon atoms, cycloaliphatic hydrocarbon radical having 5 to 8 carbon atoms, optionally substituted aryl radical having 6 to 14 carbon atoms, p=2 to 4, q=0 to 100, -NHR<2> and/or -NR<2><sub>2</sub> where R<2>=R<1> or -CO-NH<sub>2</sub>; Y is O, NR<2>; A<1> is ethylene radical, propylene radical, isopropylene radical, butylene radical; m is 10 to 30; n is 0 to 50; and k is 10 to 30, where the sum m+k is in the range from 20 to 60, is co-used.

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