

TITLE

PREPARATION AND USE OF MIXED OPACIFIERS BASED ON TITANIUM AND SILICA OXIDES

Abstract of the Invention

The invention concerns a method for preparing a composition based on TiO_2 useful as opacifier which consists in mixing with an aqueous TiO_2 dispersion an aqueous dispersion of at least an inorganic spacer, in conditions such that the two mineral species combine into mixed mineral flocs wherein the TiO_2 particles are globally spaced from one another by the spacer particles and/or aggregates. The invention also concerns a composition based on TiO_2 and SiO_2 characterized in that the TiO_2 and SiO_2 particles are combined therein in the form of mixed mineral flocs based on TiO_2 and SiO_2 wherein the TiO_2 particles are globally isolated from one another by said silica aggregates and its use as opacifier, in particular in the paper industry.