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(54) Title: POLYMER COMPOSITES WITH UV SHIELDING STRENGTH

(57) Abstract: There is provided an aqueous composite coating solution comprising a polymer matrix, a metal oxide immobilized onto an inorganic filler and optionally an additional UV absorber. The coating solution can be used to prepare barrier coatings shielding the substrate from UV radiation, moisture and oxygen. There is also provided a process for making such aqueous using titanium dioxide immobilized on clay in the composite materials. Protective layers obtained from coating using the composite polymer solutions are also provided.

