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(54) Title: ORAL CARE AND ORAL HYGIENE PRODUCTS HAVING PHOTOCATALYTIC ACTIVITY COMPRISING INORGANIC PARTICLES SUPERFICIALLY FUNCTIONALISED WITH TiO₂ NANOPARTICLES

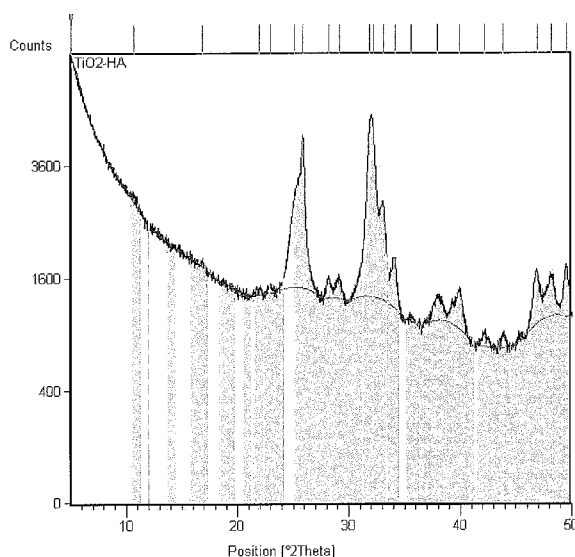


FIG. 1

(57) Abstract: The present invention refers to oral care and oral hygiene products having photocatalytic activity comprising particles of a calcium phosphate compound, superficially functionalised with TiO₂ nanoparticles in crystalline form, said TiO₂ nanoparticles having: a) a substantially lamellar morphology; b) an aspect ratio (AR) comprised between 5 and 30; c) a surface structure having face (001) as outermost face of the crystalline lattice; and d) wherein the TiO₂ is in the form of anatase, optionally mixed with rutile and/or brookite.



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