ABSTRACT

TITANIUM OXIDE FOR PHOTOCATALYST AND METHOD OF PRODUCING THE SAME

The invention provides a titanium oxide photocatalyst having an excellent photocatalytic property and comprising titanium oxide particles which have part or the whole of an iron compound contained therein and supported thereon. The invention further provides a titanium oxide photocatalyst comprising titanium oxide particles which are treated with a mineral acid and which have part or the whole of an iron compound contained therein and supported thereon. The invention still further provides a process for producing the titanium oxide photocatalyst. Utilizing the excellent photocatalytic property, materials which exert or may exert a harmful influence upon human bodies or living environment, such as organic halogen compounds, malodorous gases, oils, bacteria, fungi and algae can be rapidly and effectively removed.