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(54) Title: TRANSPARENT, STABLE TITANIUM DIOXIDE SOLS

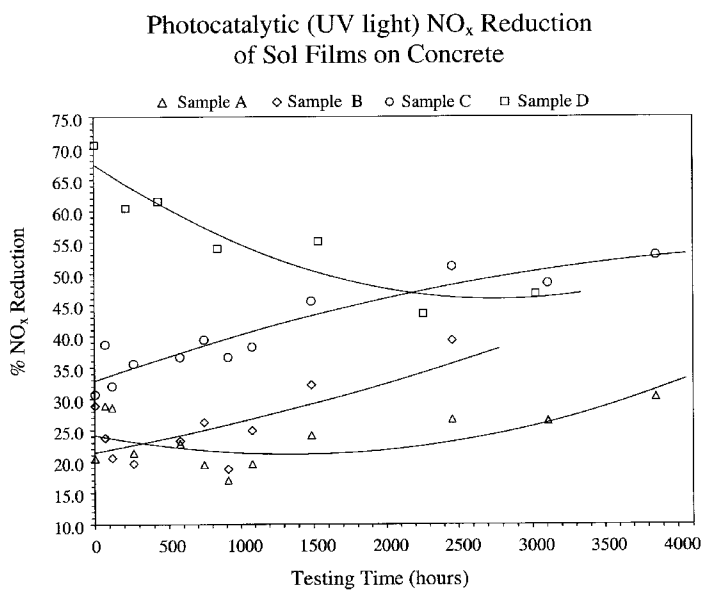


FIGURE 1

(57) Abstract: A method of preparing stable, transparent photocatalytic titanium dioxide sols is disclosed which involves thermal treatment of a suspension of amorphous titanium dioxide in the presence of certain alpha-hydroxy acids. The sols comprise titanium dioxide particles in the anatase form having a crystallite size less than about 10 nm and exhibit excellent stability and transparency at basic, neutral, and acid pH.

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