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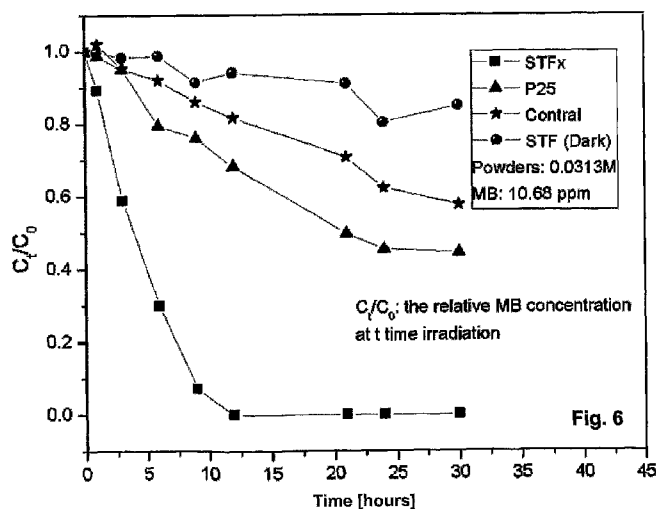


Fig. 6

(57) Abstract: Disclosed is a method of providing photocatalytic activity. Nanoparticulate matter comprising a strontium titanate ferrite of the general formula $\text{SrTi}_{1-x}\text{Fe}_x\text{O}_{3-}$ is provided, in which x is any value from 0 to 1. The nanoparticulate matter is exposed to electromagnetic radiation of a wavelength from about 380 nm to about 800 nm.