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(54) Title: PHOTOCATALYTIC COATING

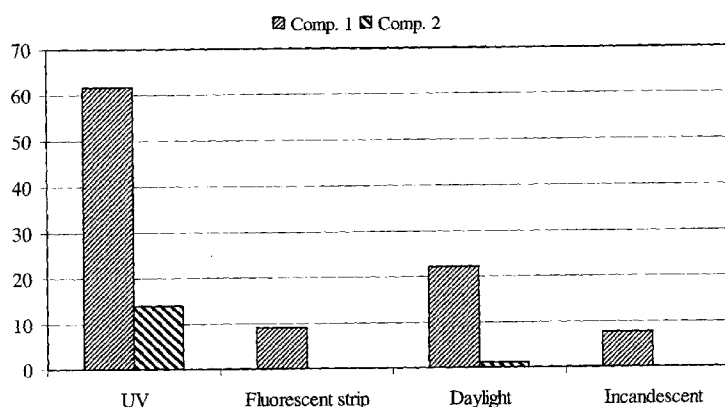
NO_x removal (%) under different low level lighting conditions
(without prior activation of photocatalyst)

Figure 1

(57) Abstract: De-polluting, self-cleaning coating compositions are disclosed which comprise an organic binder having dispersed therein photocatalytic titanium dioxide particles substantially in anatase form which have an average crystallite size between about 1 nm and about 150 nm and which preferably have photocatalytic activity in the presence of visible light. Advantageously, the coatings of the invention do not require pre-activation to achieve high initial photocatalytic activity against pollutants in the air, such as NO_x compounds.

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