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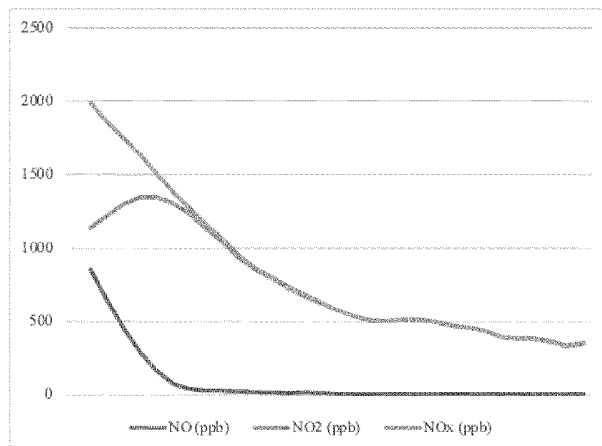
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(54) Title: SOL-GEL PHOTOCATALYTIC TRANSPARENT WATER-BASED COATING

Figure 1



(57) Abstract: Sol-gel photocatalytic transparent coating composition, which comprises: (a) at least one water solvent; (b) at least one photocatalyst precursor (TTIP); (c) at least one non-ionic surfactant (d) at least one epoxy silane; (e) at least one chelating agent (f) at least one inorganic acid; (g) at least one inorganic salt; Such composition can be used with conventional means, such as spray coating and ensures a highly transparent photocatalytic coating with very low thickness that can be applied on several substrates which is stable over time with good resistance also to weathering agents and with relative low quantities of photocatalyst, generally lower than 10% by weight.

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