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(54) Title: PHOTOCATALYTIC COATINGS HAVING IMPROVED LOW-MAINTENANCE PROPERTIES

(57) Abstract: The invention provides a substrate bearing a photocatalytic coating. In some embodiments, the coating includes a photocatalytic film comprising titania deposited over a layer comprising tungsten oxide, aluminum oxide, niobium oxide or zirconium oxide. Additionally or alternatively, the photocatalytic film can include both titania and a material selected from the group consisting of nitrogen, tantalum, copper and silica. The invention also provides methods of depositing such coatings.

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