

Title (en)

METHOD FOR THE PHOTOCATALYTICALLY ACTIVE COATING OF SURFACES

Title (de)

VERFAHREN ZUR PHOTOKATALYTISCH AKTIVEN BESCHICHTUNG VON OBERFLÄCHEN

Title (fr)

PROCÉDÉ DE DÉPÔT D'UN REVÊTEMENT AYANT UNE ACTIVITÉ PHOTOCATALYTIQUE SUR DES SURFACES

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Application

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Abstract (en)

[origin: CA2849042A1] The invention relates to a method for the photocatalytically active coating of surfaces and to an object (1) coated in a photocatalytically active manner according to said method. The aim of providing a method for the photocatalytically active coating of in particular metal surfaces, whereby a permanently stable coating is produced without the photocatalytic activity of the layer being negatively affected, is achieved by a method in which a substrate object having a surface is provided, a metal adhesion-promoting layer is applied to the surface of the substrate object, and a photocatalytically active layer of one or more metal oxides is applied to the adhesion-promoting layer, wherein the metal adhesion-promoting layer and the surface of the substrate object are composed of different materials and the adhesion-promoting layer is selected in such a way that the adhesion-promoting layer is not oxidized or reduced by the photocatalytically active layer.

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