

Title (en)
SUBSTRATE COMPRISING A TITANIUM OXIDE/CERIUM OXIDE PROTECTIVE LAYER

Title (de)
SUBSTRAT MIT EINER TITANOXID/CEROXID-SCHUTZSCHICHT

Title (fr)
SUBSTRAT COMPORTANT UNE COUCHE DE PROTECTION OXYDE DE TITANE/OXYDE CERIQUE

Publication
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Application
EP 03755136 A 20030526

Priority
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• EP 0305502 W 20030526

Abstract (en)
[origin: WO03099735A2] A substrate having a surface consisting of an inorganic non-metallic matrix material comprises a protective layer based on titanium oxide/cerium oxide. This protective layer can be obtained by applying a coating composition, which comprises precursors of both titanium oxide and cerium oxide, onto the surface of the substrate and by compacting the coating composition at a temperature of at least 500 DEG C. The coating is suited for use as a heat-resistant, UV stable, and transparent protection for inorganic non-metallic materials, particularly glass, glass ceramics and ceramics, against corrosion caused by alkaline media.

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