Title (en)

PRESTRESSABLE LAYER SYSTEM FOR PARTITION GLASS

Title (de)

VORSPANNUNGFÄHIGES SCHICHTSYSTEM FÜR VERGLASUNG

Title (fr)

SYSTEME DE COUCHES APTE A ETRE PRECONTRAINT, POUR VITRAGES

Publication

EP 1527029 A2 20050504 (FR)

Application

EP 03758198 A 20030801

Priority

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- FR 0302451 W 20030801

Abstract (en)

[origin: WO2004013059A2] The inventive prestressable and flexural layer system with a low emissivity is used for a partition glass and is provided with a functional silver layer and a metallic sacrificed layer which is made of Ti or a Ti alloy and of Zn and/or Al and arranged thereunder. Said system also comprises anti-reflection dielectric layers and an oxidised covering layer which is nitrided or oxynitrided. The metallic sacrificed layer contains chemically bound hydrogen. A ZnO layer eventually stimulated with Al and/or In is adjacent to the metallic sacrified layer. The covering layer comprises a titanium compound. The analogous layer systems can be produced in a comparatively economical manner exhibiting a high hardness and chemical resistance. The colour parameters of said systems are easily reproducible even when they are thermally treated at a high temperature.

IPC 1-7

C03C 17/36

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2004013059A2

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