

Title (en)

PRESTRESSABLE LOW-E LAYER SYSTEMS FOR WINDOW PANES

Title (de)

VORSPANNUNGFÄHIGES SCHICHTSYSTEM MIT NIEDRIGER EMISSIVITÄT FÜR FENSTERSCHEIBEN

Title (fr)

SYSTEMES DE COUCHES A E FAIBLE, CAPABLE DE PRECONTRAINTTE, POUR VITRES DE FEN TRE

Publication

**EP 1366001 A2 20031203 (FR)**

Application

**EP 02700382 A 20020123**

Priority

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- FR 0200275 W 20020123

Abstract (en)

[origin: DE10105199C1] Thermally loaded low emissivity layer system comprises a silver functional layer, a metal nitride layer, a sacrificial metal layer, a dielectric reflection-reducing base layer and a reflection-reducing covering layer. Preferred Features: The metal nitride layer has a thickness of 0.5-5 nm and has an approximate stoichiometric composition. The metal nitride layer is made from Si<sub>3</sub>N<sub>4</sub> or AlN. The sacrificial metal layer is made from Cr, Ni, Al, Ti, Mg, Si, Zn, Cu or their alloys. The silver layer is deposited on a partially crystalline ZnO: Al layer.

IPC 1-7

**C03C 17/36**

IPC 8 full level

**C03C 17/36** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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