

Title (en)

MULTILAYERED GLASS LAMINATE HAVING ENHANCED RESISTANCE TO PENETRATION BY HIGH VELOCITY PROJECTILES.

Title (de)

MEHRSCHICHTGLASLAMINAT MIT VERBESSERTER PENETRATIONSBESTÄNDIGKEIT GEGEN SEHR SCHNELLE PROJEKTE.

Title (fr)

STRATIFIE EN VERRE MULTICOUCHE A RESISTANCE ACCRUE A LA PENETRATION PAR DES PROJECTILES A HAUTE VITESSE.

Publication

**EP 0621826 A4 19950426 (EN)**

Application

**EP 92910144 A 19911127**

Priority

- BR 9107330 A 19911127
- CA 2123980 A 19911127
- US 9108751 W 19911127

Abstract (en)

[origin: WO9310973A1] A multilayered glass laminate having enhanced resistance to spalling and penetration by high velocity projectiles consists of at least three plies of glass (10, 12, 14) with layers of plasticized polyvinyl butyral (16, 18, 20) therebetween and having permanently bonded to an outer layer of one of said plies of glass (14) a thin composite consisting of an adhesive energy absorbing layer (22) and a dimensionally stable polyester film (24).

IPC 1-7

**B32B 17/10**; **B32B 27/08**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [Y] FR 2181635 A1 19731207 - PPG INDUSTRIES INC [US]
- See references of WO 9310973A1

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