

Title (en)

Window for vehicles, especially for railway vehicles

Title (de)

Fenster für Fahrzeuge, insbesondere für Schienenfahrzeuge

Title (fr)

Fenêtre pour véhicules, notamment pour véhicules ferroviaires

Publication

EP 0970865 A3 20000301 (DE)

Application

EP 99112214 A 19990625

Priority

DE 19830114 A 19980706

Abstract (en)

[origin: EP0970865A2] A safety window for a train has a single pane (1) of safety glass which shatters when struck by an emergency hammer. The pane is held in the window frame by adhesive (30) and by an internal clip frame (5). A plastic foil (4) is bonded to the inside surface of the glass to prevent scattering of glass splinters when the pane is smashed. The plastic foil reaches only to the lip of the inner clip frame. This ensures that when the pane is smashed the foil holds together the central section and enables it to be pushed out of the frame, leaving the edge splinters held by the adhesive.

IPC 1-7

B61D 25/00; **B61D 19/02**

IPC 8 full level

B61D 19/02 (2006.01); **B61D 25/00** (2006.01)

CPC (source: EP)

B61D 19/026 (2013.01); **B61D 25/00** (2013.01)

Citation (search report)

- [AD] DE 2146788 A1 19730412 - LINKE HOFMANN BUSCH
- [A] FR 840548 A 19390427 - WEGMANN & CO
- [A] GB 2270947 A 19940330 - HEYWOOD WILLIAMS LTD [GB]

Cited by

FR2903723A1; EP1199239A3; CN117985058A; EP3939852A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0970865 A2 20000112; **EP 0970865 A3 20000301**; **EP 0970865 B1 20011121**; AT E209129 T1 20011215; DE 19830114 A1 20000113; DE 59900669 D1 20020221; DK 0970865 T3 20020521; ES 2165215 T3 20020301; PT 970865 E 20020531

DOCDB simple family (application)

EP 99112214 A 19990625; AT 99112214 T 19990625; DE 19830114 A 19980706; DE 59900669 T 19990625; DK 99112214 T 19990625; ES 99112214 T 19990625; PT 99112214 T 19990625