

Title (en)  
Glazing element with incorporated electric conductors structure

Title (de)  
Glas mit Struktur von Stromleiter

Title (fr)  
Élément de vitrage avec une structure de conducteurs électriques.

Publication  
**EP 1310929 A3 20040506 (FR)**

Application  
**EP 02024628 A 20021104**

Priority  
DE 10154558 A 20011107

Abstract (en)  
[origin: EP1310929A2] Pane element comprises at least one pre-tensioned glass pane having on its surface an electrical conductor structure with electrical connection lines leading to the edge of the glass pane. The glass pane is a component of an insulating glass element consisting of at least one further pane and a frame-like spacer. The spacer is connected by an adhesive strip to the surface of the glass pane provided with the conductor structure and crosses the electrical connections in the region insulated with a thin, insulating, protective layer. In the crossing region on a pre-determined path the adhesive strip consists of a material having a higher electrical insulating activity than the rest of the adhesive strip. Independent claims are also included for processes for producing the above pane element. Preferred Features: At least one further thin, insulating, protective layer made of an electrically non-conducting material is provided between the connections and the spacer, especially between the connections and the adhesive strip.

IPC 1-7  
**G08B 13/04**; **B32B 17/10**

IPC 8 full level  
**B32B 17/10** (2006.01); **C03C 27/12** (2006.01); **G08B 13/04** (2006.01)

CPC (source: EP)  
**G08B 13/04** (2013.01)

Citation (search report)  
• [XDY] EP 0058348 A2 19820825 - VER GLASWERKE GMBH [DE], et al  
• [YD] DE 19748868 C1 19990708 - WUG WEIDEMANN UNTERNEHMENSGRUP [DE]  
• [YD] DE 19960450 C1 20010523 - SAINT GOBAIN [DE]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**EP 1310929 A2 20030514**; **EP 1310929 A3 20040506**; **EP 1310929 B1 20050427**; AT E294431 T1 20050515; DE 10154558 C1 20030515; DE 60203868 D1 20050602; DE 60203868 T2 20060223; DK 1310929 T3 20050829; ES 2241942 T3 20051101; PT 1310929 E 20050930

DOCDB simple family (application)  
**EP 02024628 A 20021104**; AT 02024628 T 20021104; DE 10154558 A 20011107; DE 60203868 T 20021104; DK 02024628 T 20021104; ES 02024628 T 20021104; PT 02024628 T 20021104