

Title (en)  
Insulated glazing unit

Title (de)  
Isolierglaseinheit

Title (fr)  
Unité de vitrage isolant

Publication  
**EP 0719904 B1 19990728 (DE)**

Application  
**EP 95120409 A 19951222**

Priority  
• DE 4447049 A 19941229  
• DE 4447059 A 19941229

Abstract (en)  
[origin: EP0719904A1] The glass insulating unit consists of inner and outer panes (A and B) sepd round the edges by a joint filling material (I) designed to take up complex stresses arising in building applications and also mechanical stresses such as shock and vibration. Material (I) is a thermoplastic elastomer based on polyolefin mixts (TPO), with a water vapour permeability of less than 1 g.mm/mm<2>/day, a tensile strength of more than 4 N/mm<2>, a 50% tensile modulus of more than 1 N/mm<2> and a Shore hardness of more than 50 A. This material is produced by extrusion or continuous casting, in the form of a string with a visible sealing surface. The joint between (A), (I) and (B) is an adhesive pressure/heat bond, in which the visible sealing surface of (I) is pressed flush with the edge of (A) and/or (B) in such a way as to require no finishing.

IPC 1-7  
**E06B 3/66**

IPC 8 full level  
**E06B 3/66** (2006.01); **E06B 3/663** (2006.01)

CPC (source: EP)  
**E06B 3/66328** (2013.01); **E06B 3/66342** (2013.01); **E06B 3/66319** (2013.01)

Cited by  
EP0811656A4; US6235356B1; WO9749887A1; WO0116046A1; US6457294B1; US6796102B2

Designated contracting state (EPC)  
BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0719904 A1 19960703; EP 0719904 B1 19990728; DE 59506465 D1 19990902**

DOCDB simple family (application)  
**EP 95120409 A 19951222; DE 59506465 T 19951222**