

Title (en)

Spacer element for multiple-insulating glazing.

Title (de)

Abstandhalter für ein Mehrscheiben-Isolierglas.

Title (fr)

Entretoise pour vitrage multiple isolant.

Publication

EP 0504561 B1 19940518 (DE)

Application

EP 92101598 A 19920131

Priority

DE 9103448 U 19910320

Abstract (en)

[origin: US5125195A] A spacer to bridge the interspace between two parallel panes of glass in a multilayer insulating glass. The spacer includes two hollow metal sections mutually spaced apart. A solid web of an unfoamed and fully-cured polyurethane casting compound fills the space between the hollow sections and adheres to the facing surfaces of the sections. The hollow sections and solid web form a spacer having relatively high torsional rigidity and electrical insulation, and having relatively low thermal conductivity between the glass panes. The outside surface of the web is covered with a layer impermeable to vapor.

IPC 1-7

E06B 3/66

IPC 8 full level

C03C 27/06 (2006.01); **C03C 27/12** (2006.01); **E06B 3/66** (2006.01); **E06B 3/663** (2006.01); **E06B 7/12** (2006.01)

CPC (source: EP US)

E06B 3/66323 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

US 5125195 A 19920630; AT E105911 T1 19940615; CA 2043915 A1 19920921; DE 59200165 D1 19940623; DE 9103448 U1 19920716; DK 0504561 T3 19940926; EP 0504561 A1 19920923; EP 0504561 B1 19940518; ES 2054512 T3 19940801; FI 921198 A0 19920320; FI 921198 A 19920921; FI 97414 B 19960830; FI 97414 C 19961210; JP H05133168 A 19930528; NO 920443 D0 19920204; NO 920443 L 19920921

DOCDB simple family (application)

US 69077291 A 19910424; AT 92101598 T 19920131; CA 2043915 A 19910605; DE 59200165 T 19920131; DE 9103448 U 19910320; DK 92101598 T 19920131; EP 92101598 A 19920131; ES 92101598 T 19920131; FI 921198 A 19920320; JP 9240192 A 19920319; NO 920443 A 19920204