

Title (en)  
SPACER FOR SPACING GLASS SHEETS OF A MULTIPLE GLAZED WINDOW

Title (de)  
ABSTANDHALTER FÜR DIE BEABSTANDUNG VON GLASSCHEIBEN EINES MEHRFACHVERGLASTEN FENSTERS

Title (fr)  
ECARTEUR DE VERRES D'UNE FENÊTRE MULTI-VITRAGE

Publication  
**EP 3020908 B1 20180606 (DE)**

Application  
**EP 15200838 A 20120410**

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- EP 11162316 A 20110413
- EP 11196113 A 20111229
- EP 12714669 A 20120410
- EP 15200838 A 20120410

Abstract (en)  
[origin: WO2012140005A1] The present application relates to a spacer (1) for spacing apart glass panes (5) in a multi-glazed window. The spacer (1) comprises a silicone-free outer shell (7) which at least partially encloses an internal structure (8) of greater porosity than the outer shell. The outer shell (7) and the internal structure (8) of greater porosity are present as a composite as a result of extrusion. The application also relates to a process for producing a spacer (1) according to the invention and to a multi-glazed window having said spacer.

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

CPC (source: EP)  
**E06B 3/66328** (2013.01); **E06B 3/66361** (2013.01); **E06B 2003/6638** (2013.01); **E06B 2003/6639** (2013.01)

Citation (examination)  
EP 1892365 A1 20080227 - PROWERB ST GALLEN AG [CH]

Citation (opposition)  
Opponent : SAINT-GOBAIN GLASS FRANCE,  

- WO 2012140005 A1 20121018 - PROWERB AG [CH], et al
- WO 2008022877 A1 20080228 - PROWERB ST GALLEN AG [CH], et al
- DE 19602455 A1 19970731 - JAKOB ANDREAS [DE]
- DE 19807454 A1 19990826 - ENSINGER [DE]
- DE 19625845 A1 19980102 - FLACHGLAS AG [DE]
- DE 4226883 A1 19930304 - TROESCH GLAS AG [CH]
- DE 3302659 A1 19840802 - REICHSTADT HANS UDO [DE]
- DE 19530838 A1 19970227 - INTERPANE ENTW & BERATUNGSGES [DE]
- EP 0261923 A2 19880330 - GLOVER MICHAEL [CA], et al
- JP H09175843 A 19970708 - ASAHI GLASS CO LTD, et al
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Opponent : Technoform Glass Insulation Holding GmbH  

- WO 2008022877 A1 20080228 - PROWERB ST GALLEN AG [CH], et al
- DE 19807454 A1 19990826 - ENSINGER [DE]
- DE 19530838 A1 19970227 - INTERPANE ENTW & BERATUNGSGES [DE]

Cited by  
WO2018050357A1; US10370894B2

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2012140005 A1 20121018**; EP 2697466 A1 20140219; EP 3020908 A1 20160518; EP 3020908 B1 20180606; EP 3023569 A1 20160525; EP 3023569 B1 20180606; PL 3020908 T3 20181130; PL 3023569 T3 20181130

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**EP 2012056435 W 20120410**; EP 12714669 A 20120410; EP 15191282 A 20120410; EP 15200838 A 20120410; PL 15191282 T 20120410; PL 15200838 T 20120410