

Title (en)
Spacing element.

Title (de)
Abstandhalter.

Title (fr)
Elément d'espacement.

Publication
EP 0601488 A3 19941123 (DE)

Application
EP 93119466 A 19931202

Priority
• DE 4241591 A 19921210
• DE 9303795 U 19930316

Abstract (en)
[origin: EP0601488A2] The invention relates to a spacer (11) in the form of a plastic hollow profile (12) for insulation-glass windows (1) or the like, having at least one insert (21) which prevents the diffusion of water vapour and is embedded in the side walls (15, 17) directed towards the glass panes (2, 3) and in the outer wall (14) of the hollow profile. In the case of said spacer, a further insert (22) is also embedded in the inner wall (16) directed towards the interior (4) of the insulation-glass window (1). This configuration makes it possible for the stresses occurring within the hollow profile (12) to be absorbed and its wall (16) directed towards the interior of the insulation-glass window (1) to be stabilised and consolidated, with the result that it cannot be deformed. Moreover, a gas exchange between the atmosphere and the interior (4) is prevented. <IMAGE>

IPC 1-7
E06B 3/66

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

CPC (source: EP US)
E06B 3/66319 (2013.01 - EP US); **Y10T 428/1352** (2015.01 - EP US); **Y10T 428/1355** (2015.01 - EP US); **Y10T 428/1369** (2015.01 - EP US); **Y10T 428/1376** (2015.01 - EP US); **Y10T 428/1379** (2015.01 - EP US); **Y10T 428/24355** (2015.01 - EP US); **Y10T 428/2457** (2015.01 - EP US); **Y10T 428/24694** (2015.01 - EP US); **Y10T 428/24777** (2015.01 - EP US); **Y10T 428/2975** (2015.01 - EP US)

Citation (search report)
• [DYDA] DE 3302659 A1 19840802 - REICHSTADT HANS UDO [DE]
• [YA] US 5094055 A 19920310 - BERDAN GUNTER [CA]
• [A] GB 2162228 A 19860129 - SANDEN CORP
• [A] GB 1579726 A 19801126 - PILKINGTON BROTHERS LTD
• [A] FR 2438150 A1 19800430 - FRANK GMBH WILH [DE]
• [A] DE 2929544 A1 19810129 - ERBSLOEH JULIUS & AUGUST

Cited by
DE102010006127A1; DE102010049806A1; US9810016B2; US10132114B2; CN103038434A; CN103354857A; DE10226268A1; DE10226269A1; DE19807454A1; DE10311830A1; EP0953716A3; CN103237949A; ITBO20120078A1; EP2628884A3; US8453415B2; US6537629B1; WO2012100961A1; WO2017050624A1; WO2011091986A3; WO9942693A1; WO9915753A1; US9440662B2; DE102011009359A1; WO2011091986A2; US8640406B2; WO03074830A1; DE202012104026U1; DE102012105960A1; WO2014005950A1; US9683404B2; WO2004081331A1; US7449224B2; FR2458839A1; EP2444580A1; EP2549047A1; WO2012055553A1; US8756879B2; EP3162999A2; WO2022253532A1

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

DOCDB simple family (publication)
EP 0601488 A2 19940615; **EP 0601488 A3 19941123**; **EP 0601488 B1 19970502**; AT E152499 T1 19970515; DE 59306331 D1 19970605; US 5460862 A 19951024

DOCDB simple family (application)
EP 93119466 A 19931202; AT 93119466 T 19931202; DE 59306331 T 19931202; US 16503693 A 19931210