

Title (en)
PROFILED SPACER FOR AN INSULATION-PLATE UNIT

Title (de)
ABSTANDHALTERPROFIL FÜR ISOLIERSCHEIBEINHEIT

Title (fr)
PROFILE D'ECARTEMENT POUR UNITE DE PLAQUES ISOLANTES

Publication
EP 1055046 B2 20070926 (DE)

Application
EP 99908747 A 19990121

Priority
• DE 9900188 W 19990121
• DE 19805348 A 19980211

Abstract (en)
[origin: US6389779B1] The invention relates to a spacer profile of an elastically-plastically deformable material with low heat conductivity for a spacer frame to be mounted in the marginal area of at least two spaced-apart panes by forming an intermediate pane space, whereby the spacer profile comprises a chamber which has in one of its walls at least one elastically-plastically deformable reinforcement element extending along the chamber, and whereby the spacer profile has a diffusion-proof layer extending substantially over its entire width and length. In order to produce the profile through cold flexion, the lateral walls of the chamber are each provided with at least one reinforcement element.

IPC 8 full level
E06B 3/66 (2006.01); **E06B 3/663** (2006.01); **C03C 27/06** (2006.01); **E06B 3/673** (2006.01)

CPC (source: EP US)
E06B 3/66319 (2013.01 - EP US); **E06B 3/67313** (2013.01 - EP US); **E06B 2003/6638** (2013.01 - EP US)

Citation (opposition)
Opponent :
• EP 0785336 A1 19970723 - BAY MILLS LTD [CA]
• DE 3302659 A1 19840802 - REICHSTADT HANS UDO [DE]

Cited by
WO2019201530A1; WO2018219477A1; US9683404B2; WO2021009176A1; DE202019005906U1; EP3781773B1

Designated contracting state (EPC)
AT CH DE DK ES FR GB IT LI

DOCDB simple family (publication)
US 6389779 B1 20020521; AT E217382 T1 20020515; AU 2824999 A 19990830; CA 2316166 A1 19990819; CA 2316166 C 20060912; CN 1132991 C 20031231; CN 1289387 A 20010328; DE 19805348 A1 19990812; DE 59901396 D1 20020613; DK 1055046 T3 20020708; DK 1055046 T4 20080102; EP 1055046 A1 20001129; EP 1055046 B1 20020508; EP 1055046 B2 20070926; ES 2153810 T1 20010316; ES 2153810 T3 20021101; ES 2153810 T5 20080301; JP 2002503779 A 20020205; JP 3409030 B2 20030519; WO 9941481 A1 19990819

DOCDB simple family (application)
US 58252100 A 20000626; AT 99908747 T 19990121; AU 2824999 A 19990121; CA 2316166 A 19990121; CN 99802452 A 19990121; DE 19805348 A 19980211; DE 59901396 T 19990121; DE 9900188 W 19990121; DK 99908747 T 19990121; EP 99908747 A 19990121; ES 99908747 T 19990121; JP 2000531647 A 19990121