

Title (en)

PROFILED SPACER AND INSULATION GLAZING ASSEMBLY WITH SUCH A PROFILED SPACER

Title (de)

ABSTANDSHALTERPROFIL UND ISOLIERSCHEIBEINHEIT MIT EINEM SOLCHEN ABSTANDSHALTERPROFIL

Title (fr)

PROFILÉ D'ÉCARTEMENT ET ENSEMBLE VITRAGE ISOLANT AVEC UN TEL PROFILÉ D'ÉCARTEMENT

Publication

EP 2513401 B1 20160810 (DE)

Application

EP 11776113 A 20111026

Priority

- DE 102010049806 A 20101027
- EP 2011005405 W 20111026

Abstract (en)

[origin: CA2828800A1] A spacer profile for use in a spacer frame (50) of an insulating pane unit, with a hollow profile body (10) which is formed from a plastics material and has a chamber (20), the hollow profile body extending in a longitudinal direction (Z) and having an inner wall (12), an outer wall (14), and a first side wall (16) and a second side wall (18) which are connected to the inner wall (12) and the outer wall (14) to form the chamber (20), and with a first and second reinforcing layer (22, 24) made from a metal material, which reinforcing layers extend on the first and second side walls (18) and partially on the outer wall (14) at a first distance (a1) from one another and have a first and a second thickness (d2), and with a diffusion barrier layer (26) which is formed directly on the outer wall (14) between the reinforcing layers (22, 24) and is connected to the latter in a diffusion-tight manner in order to form a heat-insulating diffusion lock (27).

IPC 8 full level

E06B 3/663 (2006.01)

CPC (source: EP KR US)

E04C 1/42 (2013.01 - US); **E06B 3/663** (2013.01 - KR US); **E06B 3/66304** (2013.01 - US); **E06B 3/66309** (2013.01 - US); **E06B 3/66319** (2013.01 - EP US); **E06B 3/667** (2013.01 - KR); **E06B 7/12** (2013.01 - US); **E06B 2003/6638** (2013.01 - EP US)

Citation (opposition)

Opponent : Ensinger GmbH

- DE 19832731 A1 20000608 - FLACHGLAS AG [DE]
- WO 2006027146 A1 20060316 - TECHNOFORM CAPRANO BRUNNHOFER [DE], et al
- DE 19530838 A1 19970227 - INTERPANE ENTW & BERATUNGSGES [DE]
- DE 9408764 U1 19951005 - THERMIX GMBH ISOLATIONSSYSTEME [DE]
- H.-G. ELIAS: "Makromoleküle", vol. 2, 2001, ISBN: 3527299602, pages: 482, XP055379743
- H.-G. ELIAS: "Makromoleküle", vol. 4, 2003, ISBN: 3527299629, pages: 470, XP055379749

Cited by

WO2024153438A1; EP3162999B1

Designated contracting state (EPC)

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)

DE 102010049806 A1 20120503; CA 2828800 A1 20120503; CA 2828800 C 20170502; CN 103237949 A 20130807; CN 103237949 B 20160810; EP 2513401 A1 20121024; EP 2513401 B1 20160810; EP 3162999 A2 20170503; EP 3162999 A3 20170802; EP 3162999 B1 20210421; KR 101737323 B1 20170529; KR 20130129372 A 20131128; PL 2513401 T3 20170131; PL 3162999 T3 20211025; RU 2013123786 A 20141210; US 2013212957 A1 20130822; US 8756879 B2 20140624; WO 2012055553 A1 20120503

DOCDB simple family (application)

DE 102010049806 A 20101027; CA 2828800 A 20111026; CN 201180052362 A 20111026; EP 11776113 A 20111026; EP 16183387 A 20111026; EP 2011005405 W 20111026; KR 20137012812 A 20111026; PL 11776113 T 20111026; PL 16183387 T 20111026; RU 2013123786 A 20111026; US 201113881999 A 20111026