

Title (en)
AN INSULATING GLASS UNIT AND A PROCESS FOR MANUFACTURING AN INSULATING GLASS UNIT

Title (de)
ISOLIERGLASEINHEIT UND VERFAHREN ZUR HERSTELLUNG EINER ISOLIERGLASEINHEIT

Title (fr)
UNITÉ DE VERRE ISOLANT ET PROCÉDÉ DE FABRICATION D'UNE UNITÉ DE VERRE ISOLANT

Publication
EP 2963226 A1 20160106 (EN)

Application
EP 15173067 A 20150622

Priority
DK PA201470405 A 20140630

Abstract (en)
An insulating glass unit comprising at least two parallel glass panes (1), a space between the at least two parallel glass panes being the interpane space (2), said at least two parallel glass panes being held structurally together along their perimeters by an edge seal, the edge seal extending along the whole perimeter of the at least two glass panes, whereby the interpane space is sealed from the outside by the edge seal, the edge seal comprising: a first thermoplastic material (3), a second thermoplastic material (4) and a thermoset plastic material (5), wherein the first thermoplastic material (3) defines the distance (6) between the at least two glass panes (1) and defines a first layer of the edge seal, the first layer of the edge seal being situated within the interpane space and adhering to the surfaces of the at least two parallel glass panes facing the interpane space, wherein the second thermoplastic material (4) is contacting the first thermoplastic material (3) and defines a second layer of the edge seal, the second layer of the edge seal being situated within the interpane space and adhering to the surface of the at least two parallel glass panes facing the interpane space, and wherein the thermoset plastic material (5) is contacting the second thermoplastic material (4), the thermoset plastic material adhering to at least a first glass surface on the two parallel glass panes not facing the interpane space, said first glass surface (7) defining the thickness of each of the two glass panes, the thermoset plastic material defining a third layer of the edge seal. The invention moreover relates to a process for manufacturing an insulating glass unit.

IPC 8 full level
E06B 3/663 (2006.01); **E06B 3/673** (2006.01)

CPC (source: EP)
E06B 3/663 (2013.01); **E06B 3/67321** (2013.01); **E06B 3/67347** (2013.01)

Citation (applicant)
US 4909875 A 19900320 - CANAUD MICHEL [FR], et al

Citation (search report)
• [YD] US 4909875 A 19900320 - CANAUD MICHEL [FR], et al
• [Y] US 5007217 A 19910416 - GLOVER MICHAEL [CA], et al
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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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2963226 A1 20160106; EP 2963226 B1 20200527; PL 2963226 T3 20201116

DOCDB simple family (application)
EP 15173067 A 20150622; PL 15173067 T 20150622