

Title (en)
METHOD FOR ASSEMBLING INSULATING GLASS PANES WHICH HAVE THREE GLASS PANELS THAT ARE PARALLEL TO EACH OTHER

Title (de)
VERFAHREN ZUM ZUSAMMENBAUEN VON ISOLIERGLASSCHEIBEN, DIE DREI ZUEINANDER PARALLELE GLASPLATTEN HABEN

Title (fr)
PROCEDE D'ASSEMBLAGE DE VITRAGES ISOLANTS COMPORTANT TROIS PLAQUES DE VERRE PARALLELES LES UNES AUX AUTRES

Publication
EP 2422033 A1 20120229 (DE)

Application
EP 11706481 A 20110224

Priority

- EP 2011000893 W 20110224
- DE 102010018741 A 20100429
- DE 102010035748 A 20100828

Abstract (en)
[origin: WO2011134565A1] The invention relates to a method for assembling insulating glass panes which have three glass panels (41, 42, 43) that are parallel to each other, said glass panels being held along the edges thereof in pairs at a distance to each other and adhesively bonded to each other by an adhesive first spacer (54) and by an adhesive second spacer (55) and having two sealed inner chambers (56, 57). The inner chambers contain a gas that is different from air. According to the method, a device for assembling insulating glass panes is used. Said device comprises a supporting device (6) for supporting, holding, and positioning the glass panels (41, 42, 43), said supporting device being inclined towards the rear by some degrees with respect to the vertical, and comprises a mounting (15) for holding and positioning a first of the glass panels (41) at a distance from the other two glass panels (42, 43), said mounting being parallel to the supporting device (6). The distance of the mounting (15) from the supporting device (6) can be changed, and both the supporting device (6) as well as the mounting (15) are equipped with means for bending a glass panel; an edge region of the two outer glass panels (41, 43) of an insulating glass pane can be held with said means at a distance from the non-bent central glass panel. Thus, an entrance to each of the two inner chambers (56, 57) of the insulating glass pane is temporarily held open, and air is exchanged with a gas that is different from air in the inner chambers (56, 57) through said entrances.

IPC 8 full level
E06B 3/677 (2006.01); **E06B 3/673** (2006.01)

CPC (source: EP)
E06B 3/67326 (2013.01); **E06B 3/67365** (2013.01); **E06B 3/6775** (2013.01)

Citation (search report)
See references of WO 2011134565A1

Cited by
CN103319084A; US9862126B2; IT202000024367A1

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 102010035748 A1 20111103; **DE 102010035748 B4 20130103**; CN 102959172 A 20130306; CN 102959172 B 201411224; EP 2422033 A1 20120229; EP 2422033 B1 20130213; JP 2013527830 A 20130704; JP 5620572 B2 20141105; PL 2422033 T3 20130731; RU 2506395 C1 20140210; WO 2011134565 A1 20111103

DOCDB simple family (application)
DE 102010035748 A 20100828; CN 201180031765 A 20110224; EP 11706481 A 20110224; EP 2011000893 W 20110224; JP 2013506512 A 20110224; PL 11706481 T 20110224; RU 2012149874 A 20110224