

Title (en)

MODULAR SYSTEM FOR A MULTIPLE INSULATING GLAZING UNIT, MULTIPLE INSULATING GLAZING UNIT AND METHOD FOR PRODUCING THE MULTIPLE INSULATING GLAZING UNIT

Title (de)

BAUKASTENSYSTEM FÜR EINE MEHRFACHISOLIERVERGLASUNG, MEHRFACHISOLIERVERGLASUNG UND VERFAHREN ZUR HERSTELLUNG DER MEHRFACHISOLIERVERGLASUNG

Title (fr)

SYSTÈME MODULAIRE POUR VITRAGE ISOLANT À PLUSIEURS PANNEAUX, VITRAGE ISOLANT À PLUSIEURS PANNEAUX, ET PROCÉDÉ DE FABRICATION DU VITRAGE ISOLANT À PLUSIEURS PANNEAUX

Publication

EP 3513023 A1 20190724 (DE)

Application

EP 17734345 A 20170703

Priority

- EP 16188982 A 20160915
- EP 2017066460 W 20170703

Abstract (en)

[origin: WO2018050308A1] The invention relates to a modular system for a multiple insulating glazing unit comprising a double glazing component (1) having - a first pane element (1.1) with a first pane sealing surface, - a second pane element (1.2) with a second pane sealing surface, - a spacer which is arranged between the first pane sealing surface and the second pane sealing surface and which is composed of at least one spacer strut (1.3) which encloses an insulating glass volume (3) between the first pane element (1.1) and the second pane element (1.2) and is fixed in a gas-tight manner by means of fixing means (1.4) to the first pane sealing surface and to the second pane sealing surface, wherein the at least one spacer strut (1.3) is designed and arranged as a partially open frame, with the result that a receiving opening (1.5) is formed between two spacer struts (1.3), which receiving opening is dimensioned in such a way that a third pane element (2.1) can be inserted into the insulating glass volume (3) of the double glazing component through said opening, - a closure component (2) with the third pane element (2.1) and - a closure sealing means (2.6) for the gas-tight closure of the insulating glass volume (3.1, 3.2) by the closure component (2) after arranging the closure component (2) on the receiving opening (1.5). The invention further relates to a multiple insulating glazing unit which comprises the modular system and to a method for producing the multiple insulating glazing unit.

IPC 8 full level

E06B 3/663 (2006.01)

CPC (source: EP KR US)

E06B 3/66342 (2013.01 - KR US); **E06B 3/66366** (2013.01 - EP KR US); **E06B 3/66371** (2013.01 - KR); **E06B 3/6722** (2013.01 - EP US); **E06B 3/66342** (2013.01 - EP); **E06B 2009/2643** (2013.01 - EP US)

Citation (search report)

See references of WO 2018050308A1

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)

WO 2018050308 A1 20180322; BR 112019004323 A2 20190528; CA 3036920 A1 20180322; CN 109715903 A 20190503; DE 202017007261 U1 20200625; EP 3513023 A1 20190724; JP 2019529748 A 20191017; KR 20190047006 A 20190507; US 2019277081 A1 20190912

DOCDB simple family (application)

EP 2017066460 W 20170703; BR 112019004323 A 20170703; CA 3036920 A 20170703; CN 201780057067 A 20170703; DE 202017007261 U 20170703; EP 17734345 A 20170703; JP 2019514304 A 20170703; KR 20197010289 A 20170703; US 201716332990 A 20170703