Title (en)

ADAPTABLE INSULATING GLAZING UNIT (VARIANTS)

Title (de)

ANPASSBARE ISOLIERVERGLASUNGSEINHEIT (VARIANTEN)

Title (fr)

ENSEMBLE DE VITRAGE ISOLANT ADAPTATIF (VARIANTES)

Publication

EP 3954854 A1 20220216 (DE)

Application

EP 19936177 A 20190708

Priority

- RU 2019120384 A 20190701
- RU 2019000485 W 20190708

Abstract (en)

[origin: RU2708215C1] FIELD: construction.SUBSTANCE: invention relates to construction, in particular to insulating glass unit, intended for use instead of opening flaps of windows and doors, without using flap profiles, in which standard insulating glazing units or insulating glass units with one protruding outer glass are usually fixed. Adaptive insulating glazing unit is intended for use on windows and doors already installed in opening or facade, is also intended for use in production of new windows and doors, which, in turn, are used for glazing openings of doors and windows (blind glazing or with opening flap inside, sideways, outside or upwards from frame) in apartment houses, in public and industrial buildings, display cases. Adaptive insulating glass unit intended for use in place of opening flaps of windows and doors, without using flap profiles, in which standard insulating glazing units or insulating glazing units with one protruding outer glass are usually fixed, extends the possibilities for designing new window and door systems. Adaptive insulating glass unit comprises two outer glass and at least one inner glass spaced apart by means of spacers placed between the glass. At that, the outer glass is always larger than the inner ones, and the profile is inserted between them against all internal glass and simultaneously to one of the external glasses and is glued to this outer glass by means of a rigid adhesive with additional fixation of the bonded profile by using the spacer element to the other outer glass, with filling with elastic glue of sealant formed gap between profile and that external glass, to which profile is not glued with rigid glue, outer part of profile is made with possibility of fixing parts of fittings and seals, adapting adaptive insulating glass unit to specific window systems.EFFECT: increased speed and accuracy of assembling multi-chamber insulating double-glazed windows with a glued profile, as well as high light transmission, high heat-insulating and sound-insulating properties of already developed window and door systems without the need to reconfigure production processes, without the need for readjustment and replacement of equipment used in production of windows, high light transmission, high heat-insulating and sound-insulating properties already installed in openings and facades of buildings of window and door systems without the need for their re-installation.12 cl, 6 dwg

Abstract (de)

Die Erfindung ist in der Bauindustrie, insbesondere für die Fensterverglasung, anzuwenden. Die vorgeschlagene adaptierbare Isolierverglasung ist sowohl bei den in der Fensteröffnung oder Türöffnung bereits eingebauten Fenstern oder Türen einzusetzen als auch bei der Produktion von neuen Fenstern und Türen. Der Vorteil der Erfindung besteht in der Geschwindigkeitserhöhung und Baugenauigkeit von Mehrkammer-Isolierverglasungen mit einem Einklebeprofil. Die Isolierverglasung enthält zwei außenliegende Glasscheiben und mindestens eine innenliegende Glasscheibe, die voneinander mit den zwischen den Scheiben liegenden Abstandhaltern getrennt werden. Die außenliegenden Glasscheiben sind immer größer als die inneren, und zwischen ihnen ist ein Profil auf Anschlag zu allen innenliegenden Glasscheiben und gleichzeitig zu einer der außenliegenden Glasscheiben eingesetzt.

IPC 8 full level

E06B 3/263 (2006.01); **E06B 3/56** (2006.01); **E06B 3/64** (2006.01); **E06B 3/673** (2006.01)

CPC (source: EP RU US)

E06B 3/025 (2013.01 - EP); **E06B 3/325** (2013.01 - EP); **E06B 3/56** (2013.01 - RU); **E06B 3/64** (2013.01 - RU); **E06B 3/6617** (2013.01 - EP US); **E06B 3/66342** (2013.01 - US); **E06B 3/66361** (2013.01 - US); **E06B 3/66366** (2013.01 - US); **E06B 3/673** (2013.01 - RU); E06B 2003/6638 (2013.01 - US); E06B 2003/66385 (2013.01 - US)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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