Title (en)

INSULATING GLASS UNIT WITH ILLUMINATION DEVICE

Title (de)

ISOLIERGLASEINHEIT MIT BELEUCHTUNGSEINRICHTUNG

Title (fr)

ENSEMBLE VERRE ISOLANT COMPRENANT UN DISPOSITIF D'ÉCLAIRAGE

Publication

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Application

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Abstract (en)

[origin: WO2019096872A1] The invention relates to an insulating glass unit (10) formed from a plurality of transparent layers (16, 18, 20), wherein an illuminable panel (20) made of transparent material is arranged between two mineral glass panels (16, 18) which are held at a defined distance from one another by means of a spacer element (14). The illuminable panel (20) is held on a longitudinal edge (24) by the spacer element (14). The spacer element (14) is formed by a hollow profile (15) preferably comprising a plurality of adjoining hollow chambers (26, 28). The outer mineral glass panels (16, 18) adjoin one each of at least two lateral faces of the hollow profile (15), preferably at least two lateral hollow chambers (26). The illuminable panel (20) bears, by means of its longitudinal outer edge (24), on the middle hollow chamber (28), which is connected to the two lateral hollow chambers (26) by material bridges (30). An illumination element (32), which is strip-like or formed by a plurality of lighting means arranged next to one another in a row and/or spaced apart from one another, is arranged in the middle hollow chamber (28), which illumination element, in the activated state, illuminates the outer edge (24) of the illuminable panel (20) and/or irradiates into the outer edge (24) of the illuminable panel (20). An interior of the middle hollow chamber (28) together with the illumination element (32) located therein is sealed in a gas-tight manner.

IPC 8 full level

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Citation (search report)

See references of WO 2019096872A1

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