

Title (en)

METHOD FOR GUIDING EXTERNAL AIR FROM THE OUTSIDE THROUGH A WINDOW IN A FORCED VENTILATED SPACE AND WINDOW FOR THE SAME

Title (de)

VERFAHREN ZUR ZUFUHR VON AUSSENLUFT AUS DEM FREIEN DURCH EIN FENSTER IN EINEN ZWANGSBELÜFTETEN RAUM UND FENSTER DAZU

Title (fr)

PROCEDE D'AMENEE D'AIR EXTERIEUR DANS UNE PIECE A VENTILATION FORCEE PAR UNE FENETRE ET FENETRE CORRESPONDANTE

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Abstract (en)

[origin: WO9950523A1] The invention relates to a method for guiding external air (41) into a forced ventilated space through a gap (48) formed by an inner (28) and an outer glass (12) of a window (1). A maximum (45) air volume flow is generated in the area of the inner side (19) of the outer glass (12) and a minimal air volume flow (46) is generated in the area of the inner side (33) of the inner glass (28) by a flow resistance (30) arranged in the area of the gap (48). Transmission heat loss is lowered due to said through flow in the gap (48) and the danger of condensate emergence is reduced if dew point temperature is not reached when the external air (41) is guided. This effect is also achieved by arranging an opening for the external air (41) in the lower and/or top and/or lateral area of the gap (48).

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