

Title (en)

SOUND ABSORBING AND HEAT INSULATING COMPOUND WINDOW WITH A VENTILATING DEVICE

Publication

EP 0093364 B1 19851106 (DE)

Application

EP 83104009 A 19830423

Priority

DE 3216581 A 19820504

Abstract (en)

[origin: EP0093364A2] 1. Sound-damping and heat-insulating composite window ; with a blind frame (11) ; and with a composite wing (12) consisting of at least one individually glazed subsidiary wing (17, 17a) ; the window being equipped with a sound-damping ventilating device which has angled air-channels communicating with the inner and outer faces of the window and with the space (24) between the window panes ; the communication taking place in a horizontal ventilating device (18a, 18b) comprising a longitudinal housing (60) with adjustable air-passages (31, 33) ; one of the ventilating devices (18a, 18b) being located in the lower portion (16A) and one in the upper portion (16B) of the main wing ; each ventilating device (18a, 18b) having a mobile core with at least two longitudinal rows of air-channels (41, 43) ; the two ventilating devices being connected together mechanically in such a way that when one of them is rotated, for the purpose of adjustment, the other rotates synchronously with it, characterized in that the main wing (16) of the composite window (12) has, in its lower wing (16A) and in its upper wing (16B), a channel-section member (60) approximately U-shaped in cross-section, the U being open to the space (24) between the two glass planes of the window ; the U containing the adjustable core (40) of the sound-damping ventilating device (18a or 18b) ; the core being sealed stripwise or area-wise over its entire length between the air-passages (31, 33) which communicate with the outer face (10a) and the inner face (10b) of the window ; the open mouth of the U of the channel-section member (60) being closed by a cover-strip (61) which also acts as bearing surface for the core (40) of each ventilating device (18a, 18b), the cover-strip (61) being inserted into place after the manufacture of the window ; the cover-strip (61) having air-passages (32) which communicate with the space (24) between the window panes, the air-passages (32) being located between strip-seals or area-seals (62b, 62c) for the core (40).

IPC 1-7

E06B 3/26; **E06B 7/02**; **E06B 9/24**; **E06B 7/10**; **F24F 13/18**

IPC 8 full level

E06B 3/26 (2006.01); **E06B 7/02** (2006.01); **E06B 7/10** (2006.01); **E06B 9/24** (2006.01); **F24F 13/18** (2006.01)

CPC (source: EP)

E06B 7/02 (2013.01); **E06B 9/24** (2013.01); **E06B 2007/026** (2013.01)

Cited by

CN107191117A; EP0164111A3; EP2053192A3; FR2582042A1; EP1369548A1; FR2840347A1; EP1079185A1; BE1013094A3; US10329759B2; US10280681B2; WO2007051215A1; WO2014121801A3

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