

Title (en)

ROOF WINDOW SYSTEM WITH A VENTILATION ASSEMBLY WITH IMPROVED FLOW PATH AND METHOD OF OPERATING THE VENTILATION ASSEMBLY

Title (de)

DACHFENSTERSYSTEM MIT EINER ENTLÜFTUNGSANORDNUNG MIT VERBESSERTEM STRÖMUNGSWEG UND VERFAHREN ZUM BETRIEB DER ENTLÜFTUNGSANORDNUNG

Title (fr)

SYSTÈME DE FENÊTRE DE TOIT AVEC ENSEMBLE DE VENTILATION PRÉSENTANT UN TRAJET D'ÉCOULEMENT AMÉLIORÉ ET PROCÉDÉ DE FONCTIONNEMENT DE L'ENSEMBLE DE VENTILATION

Publication

EP 3348736 A1 20180718 (EN)

Application

EP 18151418 A 20180112

Priority

DK PA201770018 A 20170112

Abstract (en)

A roof window system has a roof window (1) having at least one frame (2, 3) defining a frame plane and including a pane (4), the roof window (1) further comprising a ventilation device (40) adapted for providing ventilation of a building in which the roof window is mounted, and a ventilation assembly (100) comprising a housing (150) accommodating at least one ventilation unit (110, 120) including at least one ventilator (131, 132; 133, 134) and at least one regenerator (171, 172), and a set of flow channel sections (1502, 1504, 1508; 1503, 1507). The ventilation assembly is connected to an aperture for air intake and exhaust, and to the ventilation device (40) of the roof window (1). In this way, a predefined flow path via the set of flow channel sections. Near the transition to the ventilation device of the roof window, the flow path in the housing (150) is divided by a splitter (1521; 1522) to form a pair of transition flow channel sections (1507, 1509; 1508, 1510) with a respective width dimension (d1, d2) and in connection with one respective adjacent flow channel section (1503; 1504) with a predefined width dimension (d0).

IPC 8 full level

E04D 13/03 (2006.01); **E06B 7/02** (2006.01); **F24F 7/02** (2006.01); **F24F 13/18** (2006.01)

CPC (source: DK EP)

E04D 13/03 (2013.01 - DK); **E04D 13/0325** (2013.01 - EP); **E06B 7/02** (2013.01 - DK EP); **E06B 7/10** (2013.01 - EP); **F24F 7/007** (2013.01 - DK); **F24F 7/013** (2013.01 - DK); **F24F 13/18** (2013.01 - EP); **F24F 7/025** (2013.01 - EP)

Citation (search report)

- [XDAYI] EP 2784240 A2 20141001 - VKR HOLDING AS [DK]
- [YD] US 2002164944 A1 20021107 - HAGLID KLAS C [US]

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CN113123538A; EP3845719A1; CN113123537A; US11686096B2; US11993934B2; EP3845718A1; US11834832B2

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

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DOCDB simple family (application)

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