

Title (en)

A HINGE ARRANGEMENT OF A ROOF WINDOW WITH IMPROVED OPERABILITY

Title (de)

SCHARNIERANORDNUNG FÜR EIN DACHFENSTER MIT VERBESSERTER BEDIENBARKEIT

Title (fr)

SYSTÈME DE CHARNIÈRE D'UNE FENÊTRE DE TOIT À OPÉRABILITÉ AMÉLIORÉE

Publication

**EP 3842610 B1 20230809 (EN)**

Application

**EP 21158987 A 20161118**

Priority

- EP 21158987 A 20161118
- EP 16199612 A 20161118

Abstract (en)

[origin: EP3323968A1] In the hinge arrangement (4) mounted in a roof window having a frame and a sash carrying a pane (3), a hinge (5) of a set of hinges includes a frame hinge part (51) connected to one frame side member (11), and a sash hinge part (52) connected to one sash side member (21). The sash hinge part (52) is able to rotate relative to the frame hinge part (51) about a hinge axis ( $\pm$ ). Guiding means providing guidance for the sash hinge part (52) relative to the frame hinge part (51), and motion modulating means configured to act on the hinge (5) to affect the movement of the sash hinge part (52) relative to the frame hinge part (51) are provided. The frame hinge part (51) and the sash hinge part (52) of the hinge (5) are connected to each other by a hinge pin (53) such that the hinge axis ( $\pm$ ) extends through the frame hinge part (51) and the sash hinge part (52). The guiding means are provided at a distance from the hinge pin (53) and in connection with the motion modulating means. The motion modulating means comprise a biasing device (7) including a spring (71; 471), and the guiding device comprise a transmission device (6).

IPC 8 full level

**E05D 7/083** (2006.01); **E05D 7/082** (2006.01)

CPC (source: EP)

**E04D 13/0354** (2013.01); **E05D 7/083** (2013.01); **E05Y 2201/474** (2013.01); **E05Y 2201/722** (2013.01); **E05Y 2900/152** (2013.01)

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

DOCDB simple family (publication)

**EP 3323968 A1 20180523; EP 3323968 B1 20210303**; DE 202017106967 U1 20180413; DE 202017106969 U1 20180413; DE 202017106972 U1 20180413; DE 202017106974 U1 20180413; EP 3842610 A1 20210630; EP 3842610 B1 20230809; PL 126792 U1 20180521; PL 126793 U1 20180521; PL 126794 U1 20180521; PL 126795 U1 20180521; PL 3323968 T3 20210726; PL 3842610 T3 20240122; PL 72682 Y1 20220822; PL 72759 Y1 20221017; PL 72865 Y1 20230109

DOCDB simple family (application)

**EP 16199612 A 20161118**; DE 202017106967 U 20171116; DE 202017106969 U 20171116; DE 202017106972 U 20171116; DE 202017106974 U 20171116; EP 21158987 A 20161118; PL 12679217 U 20171117; PL 12679317 U 20171117; PL 12679417 U 20171117; PL 12679517 U 20171117; PL 16199612 T 20161118; PL 21158987 T 20161118