

Title (en)
SKYLIGHT

Title (de)
OBERLICHT

Title (fr)
LUCARNE

Publication
EP 4141188 A1 20230301 (EN)

Application
EP 22192070 A 20220825

Priority
IT 202100022571 A 20210831

Abstract (en)
It is provided a skylight (1) comprising a support frame (2) integral with, or part of, a roof of a building and defining a support plane (2a), a cover (3) comprising a frame (30) counter-shaped to the frame (2), extending over a covering plane (3a) and constrained in a compliant way to the frame (2) by means of constraint means (4) defining a rotation axis (4a) lying on the support plane (2a) around which the frame (30) can be rotated to be closed or opened like a book with respect to the frame (2) respectively resting on or moving away from the frame (2) so as to define a closing configuration and an opening configuration, a control rod (5) defining an expansion trajectory (5a) and connected to the cover (3) in a zone distanced from the constraint means (4) in such a way that said expansion trajectory (5a) is transverse to said covering plane (3a), a control device (6) integral to the hinge (2) and comprising a motor (60) operatively connected to the control rod (5) and configured to move the control rod (5) along the expansion trajectory (5a) with respect to the frame (2) to realise the opening and closing configurations and a casing (7) defining inner walls (70) and including at least the motor (60) and at least one insulation layer (71) positioned on the inner walls (70) and including thermal insulating material surrounding the motor (60).

IPC 8 full level
E04D 13/03 (2006.01); **E04D 13/035** (2006.01)

CPC (source: EP)
E04D 13/035 (2013.01); **E04D 13/0351** (2013.01); **E04D 13/0352** (2013.01); **E04D 13/0335** (2013.01)

Citation (applicant)
• EP 1281314 A2 20030205 - ANGEL CANO MARTINEZ ESPANA S A [ES]
• FR 2846487 A1 20040430 - DURAND ALAIN [FR]
• JP 2003009677 A 20030114 - TOSHIBA PLANT KENSETSU CO LTD
• US 6089973 A 20000718 - SCHULTZ HANS [US]

Citation (search report)
• [X] WO 2021156313 A1 20210812 - VKR HOLDING AS [DK]
• [A] US 8191317 B2 20120605 - LUNDSGAARD CHRISTIAN AAGE [DK], et al

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4141188 A1 20230301; IT 202100022571 A1 20230303

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