

Title (en)

Smoke extractor for a flap or dome light hinged to a frame and a method for determining snow load on a sky or dome light

Title (de)

Rauchabzugseinrichtung für eine an einem Rahmen angeschlossene Klappe oder Lichtkuppel, sowie ein Verfahren zur Ermittlung einer Schneelast auf einer Lichtklappe bzw. auf einer Lichtkuppel

Title (fr)

Appareil de desenfumage pour un volet ou une lucarne articulé(e) sur un cadre, ainsi que procédé de détection d'une charge de neige sur un volet ou une lucarne

Publication

**EP 2453185 A3 20140514 (DE)**

Application

**EP 11188468 A 20111109**

Priority

DE 202010008987 U 20101110

Abstract (en)

[origin: EP2453185A2] The device (1) has a dome and/or-flap or dark flap (3) arranged at a frame (2) or a trim (5), where the frame is set on a roof area (4). The flap is pivoted to be closed during fire from aperture element position and opened into the element position by a controllable mechanical device (6). A smoke-and/or fire alarm or a heat detector is located in active connection, and the mechanical device pivots the flap into an angle layer of more than 90 degrees to the frame. An optical sensor or electrical-or electronic sensor measures and/or determines surface load (q) at and/or on the flap.

IPC 8 full level

**F24F 7/02** (2006.01); **B08B 15/00** (2006.01); **E04D 13/035** (2006.01); **E05F 15/20** (2006.01)

CPC (source: EP)

**B08B 15/00** (2013.01); **E04D 13/0352** (2013.01); **E05F 1/004** (2013.01); **E05F 1/006** (2013.01); **E05F 15/71** (2015.01); **E05F 15/72** (2015.01); **E05Y 2800/42** (2013.01); **E05Y 2800/67** (2013.01); **E05Y 2900/154** (2013.01); **F24F 11/34** (2017.12)

Citation (search report)

- [X] EP 0495731 A1 19920722 - AXTER [FR]
- [Y] WO 9733062 A1 19970912 - CAODURO CARLO [IT], et al & EP 0885341 B1 20000621 - CAODURO CARLO [IT], et al
- [Y] JP H0598847 A 19930420 - TAKADA SHOTARO
- [AD] DE 3338092 A1 19850502 - EBERSPAECHER J [DE]
- [A] US 2008115390 A1 20080522 - GUERRIER WALKER [US]
- [A] JP H04204287 A 19920724 - HITACHI CABLE
- [XP] DE 102009056558 A1 20110609 - GRASL ANDREAS [AT]

Cited by

CN103397748A; DE102016207559A1; DE102016207559B4

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

DOCDB simple family (publication)

**DE 202010008987 U1 20111123**; EP 2453185 A2 20120516; EP 2453185 A3 20140514

DOCDB simple family (application)

**DE 202010008987 U 20101110**; EP 11188468 A 20111109