

Title (en)

A device for remote leaning out and locking in the closed position of a mobile frame, in particular a smoke flap

Title (de)

Vorrichtung zum Fernankippen und -schließen in der geschlossenen Position eines mobilen Rahmens, insbesondere einer Rauchklappe

Title (fr)

Dispositif pour pencher et verrouiller à distance en position fermée un cadre mobile, en particulier un volet d'extracteur de fumée

Publication

**EP 2119854 B1 20120118 (EN)**

Application

**EP 09100283 A 20090515**

Priority

PL 38519808 A 20080515

Abstract (en)

[origin: EP2119854A1] The device consists of a linear actuator (A) and a lock (B). The linear actuator (A) is connected with a stationary (3) and a mobile (5) articulated joint between a stationary frame (1) and a mobile frame (2) in the plane perpendicular to the axis of inclination of the mobile frame (2). The lock (B) comprises a stationary member (7) and a mobile member (13) secured respectively to both frames (1, 2) and interlocked in the closed position by a bolt (6) controlled mechanically by the linear actuator movement at the final section of its stroke. The bolt (6) of the lock (B) constitutes a pin of the mobile joint (5) moved by the linear actuator (A) in the guide (14) made in the mobile member (13). The mobile member has a spring (14) loaded pawl (15) holding the bolt (6) in the extreme outer point (b) of the guide (14), having also a releasing mandrel (19), which cooperates with the bumper (12) of the stationary member (7) by lifting the pawl (15) and releasing the bolt (6) during the holding down and locking phase of the mobile frame (2) and during mounting the bolt (6) in the socket (11) of the stationary member (7) in the extreme inner point (a) of the guide (14).

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102012109480A1; NL2007787C2; EP2706178A1

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