

Title (en)

DEVICE FOR ACTIVATING PIVOTABLE CLOSURE ELEMENTS

Title (de)

VORRICHTUNG ZUM BETÄTIGEN SCHWENKBARER VERSCHLUSSGLIEDER

Title (fr)

DISPOSITIF D'ACTIONNEMENT D'ORGANES DE FERMETURE PIVOTANTS

Publication

**EP 2111493 B1 20110316 (DE)**

Application

**EP 08706978 A 20080109**

Priority

- EP 2008000121 W 20080109
- DE 202007000489 U 20070112

Abstract (en)

[origin: EP2204523A1] Device for operating a closure part comprises an operating part formed as a bellows which expands using a pressure medium and lies flat between a region (30) of the closure part on the hinge side and a flat piece (28) of an edge (18) of an opening (16). An independent claim is also included for a smoke removal device with the above operating part for opening a fire protection cap (10). Preferred Features: The bellows has several chambers and is formed by a film with layers folded in a harmonica manner. The bellows is connected via a line to a pressure source.

IPC 8 full level

**E05F 15/04** (2006.01)

CPC (source: EP)

**E04D 13/0352** (2013.01); **E05F 1/006** (2013.01); **E05F 1/10** (2013.01); **E05Y 2201/422** (2013.01); **E05Y 2201/448** (2013.01); **E05Y 2800/67** (2013.01); **E05Y 2900/154** (2013.01)

Cited by

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DOCDB simple family (publication)

**EP 2204523 A1 20100707**; **EP 2204523 B1 20130904**; AT E502181 T1 20110415; DE 202007000489 U1 20080515; DE 502008002873 D1 20110428; EP 2111493 A1 20091028; EP 2111493 B1 20110316; PL 2111493 T3 20110831; WO 2008083963 A1 20080717

DOCDB simple family (application)

**EP 10155919 A 20080109**; AT 08706978 T 20080109; DE 202007000489 U 20070112; DE 502008002873 T 20080109; EP 08706978 A 20080109; EP 2008000121 W 20080109; PL 08706978 T 20080109