

Title (en)
Explosion resisting window

Title (de)
Sprengwirkungshemmendes Fenster

Title (fr)
Fenêtre résistant aux explosions

Publication
EP 1516996 B1 20061004 (DE)

Application
EP 04022051 A 20040916

Priority
• DE 10344168 A 20030922
• DE 102004011767 A 20040309

Abstract (en)
[origin: US2005102933A1] An explosion-resisting window with a window frame and a sash frame, which accommodates a panel and is mounted in hinges on the window frame, so as to be tiltable, the sash frame nesting in the window frame in closed position. In order to obviate the need for an outer front glazing of armored glass while guaranteeing adequate safety against explosion shocks and permit the function of continuous ventilation if necessary in open position of the sash frame, the panel is made of armored glass and the window is provided with at least one tilt-limiting element, by means of which explosion-induced tilting of the sash frame in the hinges beyond a tilt-limit position can be resisted. There is at least one shift-limiting element, by means of which explosion-induced shifting of the sash frame perpendicular to a tilt axis in the hinges can be resisted.

IPC 8 full level
E06B 5/12 (2006.01); **E05D 15/52** (2006.01); **E06B 3/38** (2006.01)

CPC (source: EP US)
E05D 15/52 (2013.01 - EP US); **E05D 15/5205** (2013.01 - EP US); **E05D 15/5217** (2013.01 - EP US); **E06B 3/341** (2013.01 - EP US); **E06B 3/38** (2013.01 - EP US); **E06B 5/12** (2013.01 - EP US); **E06B 5/125** (2013.01 - EP US); **E05Y 2900/10** (2013.01 - EP US); **E05Y 2900/148** (2013.01 - EP US)

Cited by
EP1818489A1; EP2149661A1; EP2423426A1; EP1903172A1; EP1892361A1; DE202008010056U1; DE202009005248U1; DE202008010055U1

Designated contracting state (EPC)
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US 94740204 A 20040922; AT 04022051 T 20040916; DE 502004001651 T 20040916; DE 502004005569 T 20040916; EP 04022051 A 20040916; EP 05026185 A 20040916; PL 04022051 T 20040916