Title (en)
  Explosion resisting window

Title (de)
  Sprengwirkungshemmendes Fenster

Title (fr)
  Fenêtre résistant aux explosions

Publication
  EP 1640550 B1 20071121 (DE)

Application
  EP 05026185 A 20040916

Priority
  • EP 04022051 A 20040916
  • 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
  EP2149661A1; DE202008010055U1

Designated contracting state (EPC)
  AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
  US 2005102933 A1 20050519; **US 7546711 B2 20090616**; AT E341691 T1 20061015; DE 502004001651 D1 20061116;
  DE 502004005569 D1 20080103; EP 1516996 A2 20050323; EP 1516996 A3 20050608; EP 1516996 B1 20061004; EP 1640550 A2 20060329;
  EP 1640550 A3 20060802; EP 1640550 B1 20071121; PL 1516996 T3 20070228

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  US 94740204 A 20040922; AT 04022051 T 20040916; DE 502004001651 T 20040916; DE 502004005569 T 20040916;
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