

Title (en)

Framework made of fireproof metal profiles for windows, doors, facades or glazed roofs

Title (de)

Rahmenwerk aus Metallprofilen in Brandschutzausführung für Fenster, Türen, Fassaden oder Glasdächer

Title (fr)

Ossature de profilés métalliques ignifuges pour fenêtres, portes, façades ou toits vitrés

Publication

EP 0802300 B2 20140924 (DE)

Application

EP 97111156 A 19951118

Priority

- DE 4443762 A 19941208
- EP 95118182 A 19951118

Abstract (en)

[origin: US5694731A] A fire resistant frame structure for windows, doors, facades or glass roofs, includes a metallic structural element for connection to at least one other metallic structural element to form a frame. Secured to the outside and/or inside of the frame are slabs of adsorbent material which retain a high water content and exhibit heat absorbing and hydrophilic properties. The slabs of adsorbent material react or are activated at a certain temperature level to release their water content in order to cool the frame.

IPC 8 full level

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CPC (source: EP KR US)

E06B 3/00 (2013.01 - KR); **E06B 3/26303** (2013.01 - EP US); **E06B 3/2634** (2013.01 - EP US); **E06B 3/2675** (2013.01 - EP US); **E06B 5/162** (2013.01 - EP US); **E06B 2003/26321** (2013.01 - EP US); **E06B 2003/26359** (2013.01 - EP US); **E06B 2003/26361** (2013.01 - EP US); **E06B 2003/26374** (2013.01 - EP US); **E06B 2003/26376** (2013.01 - EP US); **E06B 2003/2639** (2013.01 - EP US); **E06B 2003/26394** (2013.01 - EP US); **Y10S 49/01** (2013.01 - EP US)

Citation (opposition)

Opponent :

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- EP 0444383 A1 19910904 - TANAKA PRECIOUS METAL IND [JP], et al
- DE 9211944 U1 19940113 - HOERMANN KG [DE]
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- DE 3438861 A1 19860424 - HUECK FA E [DE]
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- DE 3738479 A1 19880519 - MAGYAR TUDOMANYOS AKADEMIA [HU], et al
- DE 8715082 U1 19880225
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DE102018125362A1; EP0927809A3; EP3636869A1

Designated contracting state (EPC)

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US 5694731 A 19971209; AT E180040 T1 19990515; AT E184956 T1 19991015; CZ 290046 B6 20020515; CZ 325495 A3 19960612; DE 4443762 A1 19960613; DE 59505903 D1 19990617; DE 59506920 D1 19991028; DE 9422023 U1 19970814; DE 9422222 U1 19981217; DK 0717165 T3 19991115; DK 0717165 T4 20081208; DK 0802300 T3 20000403; EP 0717165 A1 19960619; EP 0717165 B1 19990512; EP 0717165 B2 20080813; EP 0802300 A2 19971022; EP 0802300 A3 19980506; EP 0802300 B1 19990922; EP 0802300 B2 20140924; ES 2131254 T3 19990716; ES 2131254 T5 20090301; ES 2137034 T3 19991201; FI 104991 B 20000515; FI 955880 A0 19951207; FI 955880 A 19960609; HU 217682 B 20000328; HU 9503412 D0 19960328; HU T77672 A 19980728; IL 116227 A0 19960331; JP H08218745 A 19960827; KR 100380989 B1 20030722; KR 960023595 A 19960720; PL 178256 B1 20000331; PL 311623 A1 19960610; SK 153495 A3 19960904; SK 281995 B6 20011008

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US 56893195 A 19951207; AT 95118182 T 19951118; AT 97111156 T 19951118; CZ 325495 A 19951208; DE 4443762 A 19941208; DE 59505903 T 19951118; DE 59506920 T 19951118; DE 9422023 U 19941208; DE 9422222 U 19941208; DK 95118182 T 19951118; DK 97111156 T 19951118; EP 95118182 A 19951118; EP 97111156 A 19951118; ES 95118182 T 19951118; ES 97111156 T 19951118; FI 955880 A 19951207; HU 9503412 A 19951129; IL 11622795 A 19951201; JP 31799595 A 19951206; KR 19950047669 A 19951208; PL 31162395 A 19951204; SK 153495 A 19951205