

Title (en)
Partitioned insert for fire doors

Title (de)
Geteilte Feuerschutztüreinlage

Title (fr)
Garniture partitionnée pour porte coupe-feu

Publication
EP 1538297 A3 20060913 (DE)

Application
EP 04027553 A 20041119

Priority
DE 10356889 A 20031205

Abstract (en)
[origin: EP1538297A2] Fire protection door comprises a fire protection insert divided into several separate partial sections with different fire-preventing properties. Preferred Features: The partial sections are divided into several layers in the direction of the thickness of the insert. The fire protection insert comprises a fire protection agent which shows an endothermic chemical and/or physical reaction, especially phase conversion and/or water splitting, during a temperature rise. The fire protection agent is made from a hydroxide, preferably aluminum or magnesium hydroxide.

IPC 8 full level
E06B 5/16 (2006.01); **E04B 1/94** (2006.01); **E06B 3/70** (2006.01)

CPC (source: EP)
E04B 1/942 (2013.01); **E06B 5/16** (2013.01); **E06B 2003/7032** (2013.01)

Citation (search report)

- [XY] DE 4011587 A1 19911017 - SOMMER METALLBAU STAHLBAU GMBH [DE]
- [X] DE 29613507 U1 19960919 - GRUENZWEIG & HARTMANN [DE]
- [YA] DE 2720851 A1 19771201 - SKAMOL SKARREHAGE MOLERVERK AS
- [A] DE 3510935 A1 19861009 - GRUENZWEIG HARTMANN GLASFASER [DE]
- [A] DE 2358222 A1 19750605 - HIENDL HERIBERT
- [E] EP 1533462 A2 20050525 - HOERMANN KG FREISEN [DE]

Cited by
CN105927126A; CN105927107A; CN105952344A; CN104963610A; CN107246222A; CN105927122A; CN105952342A; CN105952339A; CN105952345A; CN105952343A; EP2816188A1; EP1533462A3

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
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