

Title (en)
Partitioned insert for fire doors

Title (de)
Geteilte Feuerschutztüreinlage

Title (fr)
Garniture partitionnée pour porte coupe-feu

Publication
EP 1538297 B2 20160601 (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 (opposition)
Opponent :

- US 4282687 A 19810811 - TELESKIVI PETER F
- DE 19952931 A1 20010510 - SAINT GOBAIN ISOVER G & H AG [DE]

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

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

DOCDB simple family (publication)
EP 1538297 A2 20050608; EP 1538297 A3 20060913; EP 1538297 B1 20081015; EP 1538297 B2 20160601; AT E411443 T1 20081015; DE 10356889 A1 20050714; DE 502004008254 D1 20081127; PL 1538297 T3 20090430; PL 1538297 T5 20170131; RU 2004135416 A 20060510; RU 2354798 C2 20090510

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EP 04027553 A 20041119; AT 04027553 T 20041119; DE 10356889 A 20031205; DE 502004008254 T 20041119; PL 04027553 T 20041119; RU 2004135416 A 20041203