

Title (en)

PROCESS FOR THE FABRICATION OF AN INSULATION FOR PROTECTION AGAINST FIRE

Publication

EP 0054560 B1 19850220 (DE)

Application

EP 81901702 A 19810623

Priority

DE 3023632 A 19800624

Abstract (en)

[origin: WO8200040A1] The insulating material for the protection against fire comprising a granular mass of which the structure changes endothermally when a maximum temperature allowed is reached, is used in fire doors and in security cabinets intended to preserve heat sensitive objects. The granular mass is wrapped into a carrier body of porous material having good wetting characteristics in comparison with the granular mass when the latter is in a melting state. The granular mass may be advantageously formed of granular mineral fibers but also with a sucking filler material, preferably mixed with mineral fibers. The granular mass is appropriately distributed in the carrier body distributed in the carrier body so as to obtain a predetermined temperature gradient. Sealing walls may also be provided in the space occupied by the insulation for fire protection. This protection insulation may be covered on all its faces with a steam barrier comprised of a metal sheet, a synthetic sheet or a sheet made of a combination of metal and synthetic material. In the case where the steam proof barrier is formed by a metal sheet (16, 17), the latter may be fixed by adhesion on the product formed by the granular mass and the carrier body (13) by means of a cold-hardenable soluble glass (14, 15).

IPC 1-7

E04B 1/94; **E05G 1/024**

IPC 8 full level

E04B 1/94 (2006.01); **E05G 1/024** (2006.01); **E06B 5/16** (2006.01)

CPC (source: EP)

E04B 1/942 (2013.01); **E05G 1/024** (2013.01); **E06B 5/16** (2013.01); **E05Y 2900/134** (2013.01)

Designated contracting state (EPC)

AT CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

WO 8200040 A1 19820107; DE 3023632 A1 19820114; DE 3023632 C2 19870723; DE 3169020 D1 19850328; DK 80782 A 19820224; EP 0054560 A1 19820630; EP 0054560 B1 19850220; EP 0054560 B2 19891123; JP S57500989 A 19820603; NO 820498 L 19820217

DOCDB simple family (application)

DE 8100094 W 19810623; DE 3023632 A 19800624; DE 3169020 T 19810623; DK 80782 A 19820224; EP 81901702 A 19810623; JP 50197981 A 19810623; NO 820498 A 19820217