

Title (en)

Fire resisting enclosure and method of constructing same

Title (de)

Feuerbeständiges Gehäuse und Methode zum Aufbau desselben

Title (fr)

Enceinte résistante au feu et procédé de construction de celle-ci

Publication

EP 1746238 A2 20070124 (EN)

Application

EP 06253663 A 20060712

Priority

GB 0515089 A 20050722

Abstract (en)

A fire-resisting enclosure/cabinet comprising an open-box like structure forming a body (11) to which is hinged a door (12). Both the body and the door are made up of an outer sheet steel skin (13) which has its one 'open' face closed by a liner (16;22). For the body, the liner (16) defines the inside of the body of the cabinet, whilst for the door the liner (22) defines the rear surface of the door of the cabinet. For both the body and the door thermally insulating material (30; 36; 42) is disposed in the space between the outer skin and the liner, with phase-change material (32) between the liner and the thermally insulating material and with fire-resistant concrete between the outer skin and the thermally insulating material. Engaging surfaces of the door and body respectively are formed by the material of the liner, i.e. polymeric material, thereby forming a near-hermetic seal therebetween in the event of fire.

IPC 8 full level

E05G 1/024 (2006.01)

CPC (source: EP)

E05G 1/024 (2013.01)

Cited by

RU186641U1; AU2012227268A1; AU2012227268B2; AU2012227268B9; EP4098635A1; US8887515B2; US8121752B2; WO2009137745A3; WO2022254035A1

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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