

Title (en)

Fire protection material and its use.

Title (de)

Feuerschutzmaterial und seine Anwendung.

Title (fr)

Matériau ignifuge et son emploi.

Publication

EP 0106144 A2 19840425 (EN)

Application

EP 83108941 A 19830910

Priority

- DE 3234021 A 19820914
- US 43641382 A 19821025

Abstract (en)

Fire protection material comprises a flat supporting material with a large number of through-openings and a coating of a fire protection agent, which forms an insulating layer when subjected to excessive heat. The through-openings are closed in the event of a fire by the insulating layer as it foams up. The supporting material comprises inorganic, non-metallic, heat-stable material at least 3 mm thick, which has through-openings of 2 mm² to 100 mm², and which constitute 2 to 30% of the total surface area of the supporting material. The supporting material preferably has a relatively low density. The invention also relates to a process for protecting objects against the effects of fire by enveloping the objects completely or partly with the fire protection material, to a construction for fire protection obtained according to this process, as well as to the use of protection materials for protecting objects against the action of fire.

IPC 1-7

E04B 1/94

IPC 8 full level

E04B 1/94 (2006.01)

CPC (source: EP)

E04B 1/942 (2013.01)

Cited by

EA012073B1; WO2005080702A1; WO2006081596A1; WO2005080703A1; WO2005070753A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0106144 A2 19840425; EP 0106144 A3 19840725; EP 0106144 B1 19861126; DE 3367946 D1 19870115

DOCDB simple family (application)

EP 83108941 A 19830910; DE 3367946 T 19830910