

Title (en)

INSULATION FOR PROTECTION AGAINST FIRE COMPRISING A GRANULAR MASS OF WHICH THE STRUCTURE CHANGES ENDOTHERMALLY WHEN A MIXIMUM TEMPERATURE ALLOWED IS REACHED

Publication

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Application

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Priority

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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

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IPC 8 full level

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