

Title (en)
Heat resistant casing

Title (de)
Hitzebeständiges Gehäuse

Title (fr)
Boîtier résistant à l'eau

Publication
EP 1607675 A1 20051221 (EN)

Application
EP 04257764 A 20041214

Priority
GB 0413655 A 20040618

Abstract (en)
A casing 10 (fire hood) for an electrical fitting comprises a top 11 of heat resistant material provided with at least one aperture and supporting a sidewall 12. The housing encloses an electrical fitting 19 attached to the housing by attachment means, and within the housing is a first solid fire-resistant intumescent material 17 positioned between the interior surface of the top 11 and electrical fitting 19. Intumescent material 17 is provided with at least one aperture and is spaced from the interior surface of top 11. The housing is further provided with a collar of a second solid fire-resistant intumescent material 15 extending around the exterior surface of side wall 12. In the event of fire or significant temperature increase, intumescent material 17 and 15 expand to around nine times their original volume, filling the gap 16A between the top 11 and plate 16, together with the apertures in the top 11, and the space between the housing and the surrounding structure e.g. a ceiling or wall. These expansions help to prevent a fire from spreading. <IMAGE>

IPC 1-7
F21S 8/02; **F21V 25/00**

IPC 8 full level
F21S 8/02 (2006.01); **F21V 25/00** (2006.01)

CPC (source: EP GB)
A62C 3/16 (2013.01 - GB); **F21S 8/02** (2013.01 - EP GB); **F21V 25/00** (2013.01 - EP); **F21V 25/12** (2013.01 - GB)

Citation (search report)
• [X] GB 2326467 A 19981223 - ENVIRONMENTAL SEALS LTD [GB]
• [A] WO 9812472 A1 19980326 - JONES PETER CHARLES [GB]
• [A] GB 2325728 A 19981202 - EURO PASSIVE FIRE PROTECTION L [GB]

Cited by
EP2778509A4; EP2228591A4; EP1686315B1; EP1686315A1

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