

Title (en)
HEAT RESISTANT CASING

Title (de)
HITZEBESTÄNDIGES GEHÄUSE

Title (fr)
BOITIER RESISTANT A LA CHALEUR

Publication
EP 1756472 B1 20100421 (EN)

Application
EP 05744670 A 20050517

Priority

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Abstract (en)
[origin: WO2005124225A1] 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 side-wall (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.

IPC 8 full level
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