

Title (en)
Fire-resistant door leaf.

Title (de)
Feuerbeständiges Türblatt.

Title (fr)
Vantail de porte résistant au feu.

Publication
EP 0076025 A1 19830406 (EN)

Application
EP 82303922 A 19820723

Priority
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Abstract (en)
A fire-resistant door leaf for use in an "A" Class marine bulkhead door assembly comprises a core sandwiched between two panels. The core is a corrugated steel membrane (11) whilst each of the two panels is a pre-formed rigid board (12) of fibre-reinforced cement. An air gap (14) is created between the panels (12) by the corrugated core (11). A U-section capping channel (13) extends around the periphery of the door leaf and is corner-mitred and welded into a rigid framework enclosing the panels (12) and corrugated core membrane (1). The membrane (11) is spot-welded to the top and bottom rails of the capping channel (13), and the panels (12) are glued to respective corrugations of the membrane (11). The door leaf thereby derives its main flexural rigidity from its core region, and its main heat-resistance from its outer panels.

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IPC 8 full level
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CPC (source: EP)
E06B 5/16 (2013.01); **E06B 2003/7019** (2013.01); **E06B 2003/7028** (2013.01); **E06B 2003/703** (2013.01)

Citation (search report)
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