

Title (en)
A fireproof door panel structure

Title (de)
Feuersichere Türverkleidungsstruktur

Title (fr)
Structure de panneau de porte résistante au feu

Publication
EP 2189612 A3 20130417 (EN)

Application
EP 09252670 A 20091124

Priority
GB 0821451 A 20081124

Abstract (en)
[origin: EP2189612A2] The invention relates to a fireproof door panel (30) comprising a front surface plate (31) and a rear surface plate (32) formed as door leafs, a quadrilateral frame (33, 34, 35, 36) formed as a door frame, one or more sealing members (37) formed as outer edge sealing structures and a core material (40) formed as an inner sandwich structure, wherein the core material (40) possesses an excellent fire retardance and is made of material such as perlite plate, calcium silicate, wood or the single material of phenolic resin, chemical synthetic resin or composite plate. If the door is on fire, the core material (40) of the fireproof door blocks the fire, keeps the fire outside the room and prevents the flame from passing and spreading across the fireproof door.

IPC 8 full level
E06B 3/82 (2006.01); **E06B 5/16** (2006.01)

CPC (source: EP GB)
E06B 3/822 (2013.01 - EP); **E06B 5/16** (2013.01 - EP GB)

Citation (search report)

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