Title (en)
   FIRE BARRIER

Title (de)
   BRANDSCHUTZELEMENT

Title (fr)
   ELEMENT COUPE-FEU

Publication
   EP 0966578 A4 20010404 (EN)

Application
   EP 97904821 A 19970107

Priority
   US 9700890 W 19970107

Abstract (en)
   [origin: WO9830764A1] A fire barrier (12) for use in dynamic voids to seal against the spread of fire. Flexible foil-backed insulation material (22) is
   supported by a woven metallic support screen (18) positioned in the void. As the surfaces (14, 16) defining the void undergo relative movement,
   the ability of the individual wire elements of the screen (18) to move in a scissor-like fashion relative to one another allows the screen to distort
   laterally without shearing, wrinkling, or buckling while the insulation material (22) floating thereon is effectively isolated from any shear forces. The
   foil backing (20, 24) allows the insulation (22) to freely shift relative to the support screen (18).

IPC 1-7
   E04B 1/78; E04B 1/94

IPC 8 full level
   E04B 1/94 (2006.01)

CPC (source: EP)
   E04B 1/948 (2013.01)

Citation (search report)
   • [XA] US 4942710 A 19900724 - RUMSEY ROGER L [US]
   • [XAY] EP 0346126 A2 19891213 - STANDARD OIL CO OHIO [US]
   • [YA] US 5461838 A 19951031 - HELLER PAUL S [US]
   • [YA] US 5304408 A 19940419 - JAROSZ GREGORY J [US], et al
   • [A] GB 638306 A 19500607 - RAYBESTOS MANHATTAN INC
   • [A] US 5140797 A 19920825 - GOHLKE HENRY J [US], et al
   • See references of WO 9830764A1

Designated contracting state (EPC)
   AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
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   DE 69723585 D1 20030821; EP 0966578 A1 19991229; EP 0966578 A4 20010404; EP 0966578 B1 20030716; HK 1026243 A1 20001208

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