

Title (en)
Fire protection element

Title (de)
Brandschutzelement

Title (fr)
Élément pour la protection contre le feu

Publication
EP 0861964 B1 20000412 (DE)

Application
EP 98102585 A 19980214

Priority
DE 19708443 A 19970301

Abstract (en)
[origin: EP0861964A1] The fire-protection element and contains silicate or gypsum or other fireproof inserts (6) fixed in the hollow interior (4) of the hollow profiles (1,2) or on their outside. The fixtures consist of refined steel pins (7) extending through the self-formed ducts in the wall of the hollow profile and held firmly by the casing surface of the duct. The free end of the part of the pin inside the hollow profile protrudes into the insert. One end of the pins has a flat round head (8).

IPC 1-7
E06B 5/16; **E06B 3/26**

IPC 8 full level
E06B 3/26 (2006.01); **E06B 3/263** (2006.01); **E04B 2/62** (2006.01); **E06B 5/16** (2006.01)

CPC (source: EP)
E06B 3/2632 (2013.01); **E06B 5/161** (2013.01); **E06B 5/162** (2013.01); **E06B 2003/26321** (2013.01); **E06B 2003/26387** (2013.01); **E06B 2003/26394** (2013.01); **E06B 2003/7078** (2013.01)

Cited by
CN102134949A; EP1327741A3; CN105371097A; CN106088982A; EP1120504A3; CN104074436A; EP1793073A3; EP1469157A1; CN103046848A

Designated contracting state (EPC)
AT BE CH DE DK FR GB IE IT LI NL SE

DOCDB simple family (publication)
EP 0861964 A1 19980902; **EP 0861964 B1 20000412**; AT E191768 T1 20000415; CZ 62998 A3 19980916; DE 19708443 A1 19980924; DE 59800118 D1 20000518; DK 0861964 T3 20000717; PL 186006 B1 20030930; PL 324961 A1 19980914

DOCDB simple family (application)
EP 98102585 A 19980214; AT 98102585 T 19980214; CZ 62998 A 19980302; DE 19708443 A 19970301; DE 59800118 T 19980214; DK 98102585 T 19980214; PL 32496198 A 19980223