

Title (en)
Intumescent seals.

Title (de)
Expandierende Dichtungstreifen.

Title (fr)
Joint expansible.

Publication
EP 0050517 A1 19820428 (EN)

Application
EP 81304916 A 19811020

Priority
• GB 8033772 A 19801020
• GB 8038921 A 19801204

Abstract (en)
There is provided a seal for sealing a pivotally mounted door against draughts, smoke and fire, the device comprising an elongate holder (1), defining at least two channels (7 and 3) each having an opening, a first of the channels (7) retaining a resilient element (15) having a blade (16) protruding from the opening of the channel and for acting as a draught and smoke seal, the second channel (3) containing intumescent material (20), the intumescent material expanding through the opening (12) of the second channel for forming a fire seal when subjected to high temperature, the blade being at an acute angle to a face (5) of the holder in which the opening of the second channel is provided, the second channel being provided with a baffle (10) extending within the channel and defining a strait (11) intermediate the opening of the channel and an interior chamber (20) of the holder. There is further provided a method of making an intumescent seal comprising: providing a tubular holder (1) having a longitudinal bore or interior chamber (3) defined by a thickened longitudinally extending portion (6) of the holder contiguous with a relatively thin wall (5) of the holder; filling the bore of the holder with solid intumescent material (20); and thereafter removing a longitudinally extending part of said thickened portion (as by a saw cut (8)) thereby to leave part of said thickened portion as a baffle (10) within the holder, the space left by said removed part forming a strait (11) having an opening (12) to the exterior of the holder and an opening (13) to the bore of the holder.

IPC 1-7
E06B 5/16

IPC 8 full level
E06B 5/16 (2006.01)

CPC (source: EP)
E06B 5/164 (2013.01)

Citation (search report)
• FR 2348330 A1 19771110 - DIXON INTERNATIONAL LTD [GB]
• FR 2391347 A1 19781215 - IND HANDELSONDERNEMING ELT [NL]
• FR 2335134 A7 19770708 - IND HANDELSONDERNEM ELTON [NL]

Cited by
US2014345886A1; EP0283537A1; US5492208A; FR2764631A1; EP0388773A3; EP0597517A1; GB2371827A; GB2371827B; GB2213184A; GB2213184B; WO8801335A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)
EP 0050517 A1 19820428; EP 0050517 B1 19850116; AU 544875 B2 19850620; AU 7662181 A 19820429; CA 1186498 A 19850507; DE 3168376 D1 19850228

DOCDB simple family (application)
EP 81304916 A 19811020; AU 7662181 A 19811020; CA 388208 A 19811019; DE 3168376 T 19811020