

Title (en)
SEALANTS.

Title (de)
DICHTMASSEN.

Title (fr)
MATERIAU D'ETANCHEITE.

Publication
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Application
EP 93924744 A 19931111

Priority
• GB 9302321 W 19931111
• GB 9223636 A 19921111

Abstract (en)
[origin: WO9411455A1] A fire retarding sealant comprises a silicone resin, a filler, a ceramic fire retardant such as zinc borate, a smoke suppressant such as stearate coated calcium hydroxide, and either aluminium hydroxide or magnesium hydroxide, preferably the former. The sealant is intumescent, and non-setting, and is intended for placement around pipes, cables and service penetrations in walls, floors and ceilings. At the temperatures encountered in fires, the aluminium hydroxide decomposes to form aluminium oxide and steam, the latter causing the sealant to intumesce while being relatively harmless to people (no halogen gases are evolved). The aluminium oxide and zinc borate form a crust on the intumesced sealant, providing a further fire retardant property.

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C09K 3/10; **C08K 3/00**; **C08K 3/22**; **C09K 21/14**; **C08L 83/04**

IPC 8 full level
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Citation (search report)
See references of WO 9411455A1

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