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(71) Applicant (for all designated States except US): **PRO-MAT AUSTRALIA PTY LTD.** [AU/AU]; 1 Scotland Road, Mile End, S.A. 5031 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **PORTER, Raymond** [AU/AU]; 163 Longwood Road, Heathfield, SA 5153 (AU).

(74) Agent: **MADDERNS PATENT AND TRADE MARK ATTORNEYS**; GPO Box 2752, Adelaide, S.A. 5001 (AU).

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(54) Title: SMOKE, SOUND AND FIRE RESISTANT BLANKET

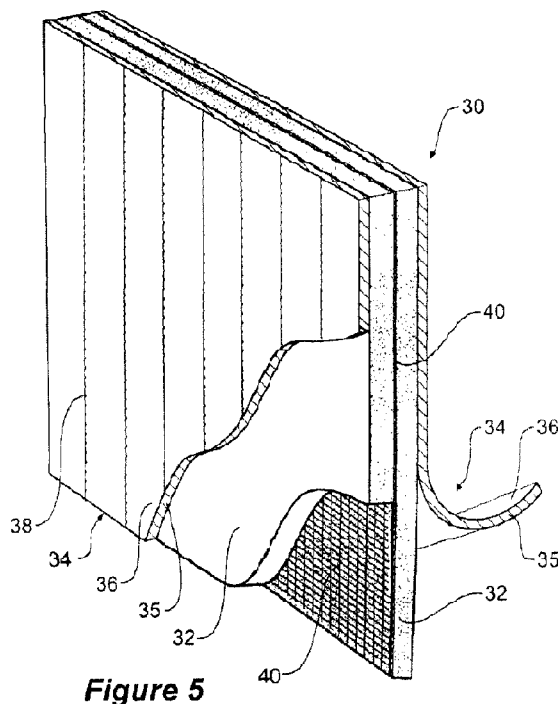


Figure 5

(57) Abstract: A flexible fire, sound and smoke barrier (30) has a sheet of flexible intumescent material (32) and a sheet of smoke impermeable material (34) on both sides of the intumescent material. The smoke impermeable material comprising a woven or non-woven sheet of fibrous material (35) and a coating of a polymeric material (36) on at least one side of each sheet. The intumescent material comprises a formulation of expandable graphite, binders and plasticisers. The smoke impermeable material comprise a fibreglass fibrous material. The coating on the sheets of smoke impermeable material can be a polyurethane polymeric material. The sheet of flexible intumescent material can have a fibrous reinforcement (40) such as a sheet of textile material embedded into the intumescent material. Alternatively the fibrous reinforcement can be a metal mesh. The barrier can be formed in a strip with hook and loop fasteners along opposite edges and sides so that the barrier can be fixed around pipes and cables. Alternatively the acoustic, fire and smoke barrier blanket can be retained onto structures and around building services by gluing, stitching, strapping or stapling.



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