

Title (en)
SECURITY BARRIER STRUCTURE

Publication
EP 0152881 A3 19860528 (EN)

Application
EP 85101347 A 19850208

Priority
• GB 8403628 A 19840211
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Abstract (en)
[origin: EP0152881A2] A barrier structure particularly for use in protective doors designed to resist explosive charges applied to their outer surfaces, comprises a layer of timber 5 located between the outer and inner door plates 2 and 4. The purpose of the timber is to absorb the shock and thermal energy of an explosion occurring at or near the outer plate 2 and thus shield the rearward portion 4 of the structure from the damaging effects of the blast. Preferably the outer plate 2 is readily detachable from the remainder of the structure under the action of blast pressure transmitted to the interior of the structure, thereby permitting rapid dissipation of the blast and avoiding a concentration of pressure over a small area of the timber 5.

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E06B 5/12; **E05G 1/024**

IPC 8 full level
E05G 1/024 (2006.01); **E06B 5/12** (2006.01)

CPC (source: EP)
E05G 1/024 (2013.01); **E06B 5/12** (2013.01)

Citation (search report)
• [X] AT 370204 B 19830310 - HAMERLE VINZENZ ING [AT]
• [X] US 3093098 A 19630611 - ROSENFELD MORTON M
• [X] DE 135849 C
• [A] DE 8224631 U1 19821202
• [A] DE 2740194 A1 19790308 - SOMMER METALLBAU STAHLBAU GMBH
• [A] DE 2639691 A1 19780309 - BOCHUMER EISEN HEINTZMANN

Cited by
FR2870880A1; FR2658847A1; GB2367850A; GB2367850B; US2023295982A1

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

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GB 2154639 A 19850911; GB 2154639 B 19870603; GB 8503134 D0 19850313

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