

Title (en)  
SECURITY BARRIER STRUCTURE

Publication  
**EP 0152881 A3 19860528 (EN)**

Application  
**EP 85101347 A 19850208**

Priority  
• GB 8403628 A 19840211  
• GB 8415743 A 19840620  
• ZA 8410035 A 19841221

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.

IPC 1-7  
**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

DOCDB simple family (publication)  
**EP 0152881 A2 19850828**; **EP 0152881 A3 19860528**; **EP 0152881 B1 19880831**; AU 3859985 A 19850815; DE 3564718 D1 19881006; GB 2154639 A 19850911; GB 2154639 B 19870603; GB 8503134 D0 19850313

DOCDB simple family (application)  
**EP 85101347 A 19850208**; AU 3859985 A 19850211; DE 3564718 T 19850208; GB 8503134 A 19850207