

Title (en)  
Security door assembly.

Title (de)  
Struktur einer Sicherheitstür.

Title (fr)  
Structure de porte de sécurité.

Publication  
**EP 0152880 A2 19850828 (EN)**

Application  
**EP 85101346 A 19850208**

Priority  
GB 8403628 A 19840211

Abstract (en)  
A barrier structure particularly for use in protective doors designed to resist explosive charges applied to their outer surfaces, comprises a multiplicity of water-filled containers 7 located behind the outer door plate 1. The purpose of the water is to absorb the shock and thermal energy of an explosion occurring at or near the outer plate 1 and thus shield the rearward portions 2,4 of the structure from the damaging effects of the blast. For thief-resisting applications (Figs 3 and 4, not shown) the structure also comprises various layers of different materials selected for resistance to other, non-explosive burglary tools, disposed rearwardly of the explosion-resistant water layer.

IPC 1-7  
**E06B 5/12**

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)

Cited by  
FR2859748A1; CN102606044A; CN102587803A

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0152880 A2 19850828; EP 0152880 A3 19860430; EP 0152880 B1 19880907**; AT E37065 T1 19880915; AU 3860085 A 19850815; DE 3564844 D1 19881013; GB 2154256 A 19850904; GB 2154256 B 19870520; GB 8403628 D0 19840404; GB 8503133 D0 19850313; ZA 851007 B 19850925; ZA 851008 B 19850925

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**EP 85101346 A 19850208**; AT 85101346 T 19850208; AU 3860085 A 19850211; DE 3564844 T 19850208; GB 8403628 A 19840211; GB 8503133 A 19850207; ZA 851007 A 19850211; ZA 851008 A 19850211