



Europäisches Patentamt

⑯ European Patent Office

Office européen des brevets

⑯ Publication number:

0 152 881
A3

⑯

EUROPEAN PATENT APPLICATION

⑯ Application number: 85101347.4

⑯ Int. Cl.⁴: E 06 B 5/12, E 05 G 1/024

⑯ Date of filing: 08.02.85

⑯ Priority: 11.02.84 GB 8403628
20.06.84 GB 8415743
21.12.84 ZA 8410035

⑯ Applicant: CHUBB SECURITY PROJECTS (PTY) LIMITED, 105 Nagington Road, Wadeville 1422 Transvaal (ZA)

⑯ Date of publication of application: 28.08.85
Bulletin 85/35

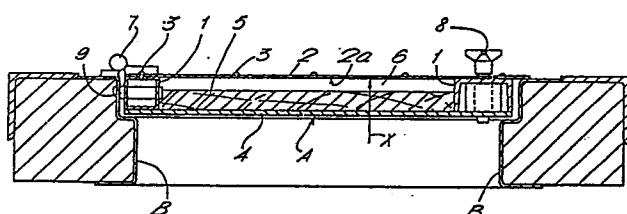
⑯ Inventor: Bowden, Darryl William, 50 Nielson Drive, Blairgowrie Randburg Transvaal (ZA)
Inventor: Firth, David Simpson, 029 Vaal Avenue, Roodeport West Transvaal (ZA)

⑯ Designated Contracting States: AT BE CH DE FR IT LI LU NL SE

⑯ Representative: Obee, Robert William, Manor House Manor Lane, Feltham Middlesex TW13 4JQ (GB)

⑯ Security barrier structure.

⑯ 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 (5) 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).



EP 0 152 881 A3



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	AT-B- 370 204 (HAMERLE VINZENZ ING.) * complete document *	1, 2, 5, 6	E 06 B 5/12 E 05 G 1/024
X	US-A-3 093 098 (M.M. ROSENFELD) * complete document *	1, 8	
A		2, 4, 7	
X	DE-C- 135 849 (B. KÜCKEN) * complete document *	1	
A		8	
A	DE-U-8 224 631 (H. SÄLZER) * figure; page 11, paragraph 2 *	4	TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	DE-A-2 740 194 (GEBR. SOMMER METALLBAU-STAHLBAU GMBH CO KG) * figures 1,2; page 11, paragraph 2 *	7	E 06 B 3/00 E 06 B 5/00 E 05 G 1/00 F 41 H 5/00
A	DE-A-2 639 691 (BOCHUMER EISENHÜTTE HEINTZMANN GMBH & CO.) * figure 1; page 12, paragraph 1 *	8	
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
BERLIN	16-02-1986	KRABEL A.W.G.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			