

Title (en)  
SECURITY FENCES AND WALLS

Title (de)  
SICHERHEITSSZÄUNE UND -WÄNDE

Title (fr)  
CLOTURES ET PAROIS DE SECURITE

Publication  
**EP 1639217 A1 20060329 (EN)**

Application  
**EP 04736414 A 20040609**

Priority  
• GB 2004002431 W 20040609  
• GB 0314058 A 20030618

Abstract (en)  
[origin: WO2004113650A1] A security fence or wall (10) has a plurality of brackets (12) secured to the top of the fence or wall (10) at spaced intervals along the length of the fence or wall (10), each bracket (12) has an upright portion (14), the lower end of which is secured to the fence or wall (10), a curved portion (16) extends from the upper end of the upright portion (14) to the side of the fence or wall (10) which is open to attack, the curved portions (16) extending upwardly from the upright portion (14), the end of the curved portion (16) remote from the upright portion (14) extending downwardly, an expanded metal mesh (20) is secured between the brackets (12) to provide a curved overhang (22) which extends along the top of the fence or wall (10) on the side of the fence or wall (10) open to attack, the expanded metal mesh (20) defining sets of closely spaced louvers (24) running parallel to the top of the fence or wall (10), the louvers (24) on the portions of the mesh secured to the upright portions (14) of the brackets (12) sloping downwardly towards the side open to attack.

IPC 1-7  
**E04H 17/00**; **E04H 17/24**

IPC 8 full level  
**E04H 17/00** (2006.01); **E04H 17/24** (2006.01)

CPC (source: EP US)  
**E04H 17/004** (2021.01 - EP US); **E04H 17/24** (2013.01 - EP)

Citation (search report)  
See references of WO 2004113650A1

Citation (examination)  
• US D429342 S 20000808 - BINNS JULIAN RICHARD HAWTHORN [GB]  
• BROMHEAD JOHNSON: "Third party observation under Article 115 EPC", 26 June 2006 (2006-06-26)  
• BINNS FENCING LIMITED: "Security topping to security fences and walls", 18 March 1997 (1997-03-18), UK Registered Design 2061635  
• DARFEN PRODUCTS: "Cladex Fencing System - Ultrasecurity fencing system", 1996, pages 1 - 6  
• EXPAMET: "Expanded Metal Meshes...in a variety of metals", June 1985 (1985-06-01)  
• BROMHEAD JOHNSON: "Third party observation under Article 115 EPC (second observation)", 20 December 2007 (2007-12-20)

Citation (third parties)  
Third party :  
• US D424702 S 20000509 - BINNS JULIAN RICHARD HAWTHORN [GB]  
• US D429342 S 20000808 - BINNS JULIAN RICHARD HAWTHORN [GB]  
• US D42702 S  
• Certificate of registration of design no.2061635: Security topping to security fences and walls  
• ROAD ENGINEERING STANDARDS POLICY COMMITTEE: "British standard, BS 1722", part 14 1992, UNDER THE AUTHORITY OF THE STANDARDS BOARD, ISBN: 0-580-19493-0, article "Specification for open mesh steel panel fences", pages: 24 PG-S, XP003019532  
• DARFEN LTD: "Darfen products", BROCHURE, November 1995 (1995-11-01), pages 6 PG-S, XP003019533  
• THE EXPANDED METAL COMPANY LIMITED: "Expamet - expanded metal meshes", BROCHURE, June 1985 (1985-06-01), pages 20 PG-S, XP003019534  
• "Benelux design registration no. 29887-00, issued on 21 Jan. 1999", BUREAU BENELUX DES DESSINS OU MODELES., XX, XX, 21 January 1999 (1999-01-21), XX, pages 1 - 3, XP003019535

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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