

Title (en)  
Modular element for shaping balustrades

Title (de)  
Modulares Element für Geländerbau

Title (fr)  
Élément modulaire pour la construction de balustrades

Publication  
**EP 1312727 A1 20030521 (EN)**

Application  
**EP 01500270 A 20011115**

Priority  
EP 01500270 A 20011115

Abstract (en)  
The purpose of this Patent is a "Modular element for shaping balustrades", the use of which is explained in the title of the invention. The element, coupled to another equal one, simultaneously operates as a loading base between two adjacent balustrades and as a lost formwork for the handrail and is made up of a rectangular plate. On one of the ends of its upper face it has an orthogonal rim (1) and the edges (2) folded upwards and inwards; a central casting (3) with the edges (4) folded in the same way but with more separation than the edges (2) of the first third; and a serie of grooves (5) parallel to the smaller side. Its lower face has an orthogonal rim (6) on its smaller side, underneath the handle (1), which is embedded in the suitable groove (5) to attach the balustrades at the chosen distance. <IMAGE> <IMAGE>

IPC 1-7  
**E04F 11/18**

IPC 8 full level  
**E04F 11/18** (2006.01)

CPC (source: EP)  
**E04F 11/181** (2013.01); **E04F 11/1842** (2013.01); **E04F 2011/1893** (2013.01)

Citation (search report)  
• [X] FR 2728003 A3 19960614 - PREFABRICADOS URKIA SA [ES]  
• [XA] US 3955800 A 19760511 - RUSSO ADOLPH D  
• [A] FR 2764919 A3 19981224 - HORMIGONES MOLDEADOS DE LEVANT [ES]

Citation (third parties)  
Third party :  
ES 1038410 U 19980701 - MEDITERRANEA DE BALAUSTRÉS S L [ES]

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1312727 A1 20030521**; **EP 1312727 B1 20051019**; AT E307245 T1 20051115; DE 60114218 D1 20051124; ES 2250332 T3 20060416

DOCDB simple family (application)  
**EP 01500270 A 20011115**; AT 01500270 T 20011115; DE 60114218 T 20011115; ES 01500270 T 20011115