

Title (en)

Elements for forming metal fences and railings with traditional prefabricated bars and assembly thereof

Title (de)

Elemente zum Erstellen von Metallzaun und Geländer von herkömmlich vorgefertigten Profilstäben sowie deren Montage

Title (fr)

Élément de construction destiné à former des clôtures métalliques et des garde-corps au moyen de barres traditionnelles préfabriquées et son procédé de montage

Publication

**EP 2113618 A1 20091104 (EN)**

Application

**EP 08380134 A 20080430**

Priority

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Abstract (en)

The invention relates to elements for forming metal fences and railings with traditional prefabricated bars and assembly thereof, which is essentially based on prefabricated metal elements which are divided into three basic assemblies which are the struts, the body of the element to be made, whether it is a railing or a fence, and the articulated anchoring foot. The struts, one of them being square and the other one being rectangular, are profiles with longitudinal grooves on three and two faces respectively, for the assembly by insertion of the body, and provided with a batten to cover the unused grooves. The body is formed by hollow vertical metal bars with a square or rectangular section which are introduced by sliding in their respective stringers, which are also metal profiles provided with a longitudinal groove on one of their faces, a pivoting clipping bolt, an assembly terminal and a batten which is clipped between each bar. Finally, there is the anchoring foot which is an articulated element.

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Citation (search report)

- [XY] GB 1314518 A 19730426 - BRITISH ALUMINIUM CO LTD
- [X] US 4809955 A 19890307 - VEILLEUX CLEMENT [CA]
- [X] CA 2157325 A1 19970301 - PARISIEN HARVEY E [CA]
- [X] NL 9101027 A 19930104 - WILLEM MARINUS RATTINK
- [Y] US RE36550 E 20000208 - WEST RONALD R [US]
- [A] US 2007012904 A1 20070118 - ZELL WILLIAM R [CA], et al
- [A] US 5884874 A 19990323 - SPEECE STEPHEN [US], et al
- [A] US 2003129018 A1 20030710 - MCDEVITT DENNIS M [US]
- [Y] US 6435755 B1 20020820 - NAGAI SHIGEKAZU [JP], et al
- [X] DE 102004029497 A1 20060105 - OBERMEIER PETER [DE], et al
- [A] EP 0573355 A1 19931208 - GAUTREAU ANDRE BERNARD JACQUES [FR]

Cited by

US10301842B2; US10287776B2; EP4043675A1; CN102367690A; CN112878483A; US2013105753A1; US9816286B2; USD1035044S;  
US10087651B2; WO2023168784A1; WO2021105729A1

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