

Title (en)
Protection balustrade for building sites

Title (de)
Schutzbalustrade für Baustellen

Title (fr)
Balustrade de protection pour chantiers

Publication
EP 1640503 A1 20060329 (FR)

Application
EP 05380203 A 20050916

Priority
ES 200402132 U 20040917

Abstract (en)
The balustrade has vertical posts (1) and horizontal side sills (2) which are joined together and in a vertical guide (5) fixed at the side of a hole to be protected. The joint permits to transform the balustrade from rectangle to rhomboid by lifting the balustrade towards the top or totally vertical in which the hole remains open. A handle (4) is installed at the end opposite to the lower sill to maintain the balustrade in lifted position.

IPC 8 full level
E01F 13/06 (2006.01); **B66B 5/00** (2006.01); **E04G 21/32** (2006.01); **E04H 17/14** (2006.01)

CPC (source: EP)
B66B 19/00 (2013.01); **E01F 13/06** (2013.01); **E04G 21/3204** (2013.01); **E04H 17/143** (2013.01); **E04H 17/1447** (2021.01);
E06B 11/025 (2013.01)

Citation (applicant)
• ES 1052084 U 20021101 - PALAZUELOS GUIL JULIO [ES]
• EP 0512210 A1 19921111 - INVENTIO AG [CH]
• ES 1055559 U 20031216 - GRUPO BERTOLIN S A [ES]

Citation (search report)
• [XA] US 4658543 A 19870421 - CARR FREDERICK J [US]
• [A] GB 2235945 A 19910320 - VINCE DANIEL JAMES
• [DA] EP 0512210 A1 19921111 - INVENTIO AG [CH]
• [A] DE 29909974 U1 19991028 - ROTHKIRCH TILO [DE]
• [A] GB 2274664 A 19940803 - MCKENZIE MARTIN LIMITED [GB]
• [A] FR 2507659 A1 19821217 - FARBOS RENE [FR]

Cited by
CN104024555A; CN111395198A; CN103907492A; CN109322537A; WO2012024930A1; US10208440B1; US10689816B1

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

DOCDB simple family (publication)
EP 1640503 A1 20060329; ES 1058474 U 20041216; ES 1058474 Y 20050401

DOCDB simple family (application)
EP 05380203 A 20050916; ES 200402132 U 20040917