

Title (en)

Metal profiles and pre-mounted elements forming articulated fences and railings and the assembly thereof

Title (de)

Metallprofile und vormontierte Elemente zur Formung beweglicher Zäune und Geländer sowie deren Montage

Title (fr)

Profils métalliques et éléments prémontés formant des barrières et des balustrades articulées et leurs assemblage

Publication

**EP 2116676 A1 20091111 (EN)**

Application

**EP 08380138 A 20080505**

Priority

EP 08380138 A 20080505

Abstract (en)

The invention relates to metallic profiles and pre-assembled elements for forming articulated fences and railings and assembly thereof, formed by a main basic set of vertical and horizontal supporting members and an assembly of pre-assembled articulation elements and the assembly of the complete installation, comprising a set of basic tubular metallic profiles (1,71,72) indistinctly serving as vertical or horizontal supporting members and completed with a joint sealer batten (2); a ball joint (7) - butt hinge (8) assembly for the attachment between tubular or solid struts and stringers; assembly members (24) with a receiving foot; a screwing foot for screwing to a bed plate and a fixing foot for fixing to a flooring edge; articulated foot (41); oval articulated base foot (80); anchorings to a wall and solid profile (93); articulated cramp and assembly for cable ducts.

IPC 8 full level

**E04H 17/00** (2006.01); **E04F 11/18** (2006.01)

CPC (source: EP US)

**E04F 11/1812** (2013.01 - EP); **E04F 11/1814** (2013.01 - EP); **E04F 11/1817** (2013.01 - EP); **E04F 11/1834** (2013.01 - EP); **E04F 11/1853** (2013.01 - EP); **E04H 17/124** (2021.01 - EP US); **E04H 17/1413** (2013.01 - EP); **E04H 17/1448** (2021.01 - EP); **E04H 17/146** (2021.01 - EP); **E04F 2011/1819** (2013.01 - EP)

Citation (search report)

- [A] WO 2006122371 A1 20061123 - BROWNBILL ALAN [AU]
- [A] EP 1600577 A1 20051130 - NATURAL FABER S L [ES]
- [A] DE 202007008201 U1 20070809 - LIN CHING CHIN [TW]
- [A] US 5529288 A 19960625 - CHENG-I LIN [TW]
- [A] WO 2007062463 A1 20070607 - PORTA GROUP PTY LTD [AU], et al
- [A] US 6202383 B1 20010320 - REITER ROLF ROLAND [DE]
- [A] DE 29909528 U1 19990916 - LI CHE NAN [TW]
- [A] DE 102006009179 A1 20070830 - VELKEN WOLFGANG [DE]

Cited by

FR3016650A1; US2013272777A1; EP2312084A3; GB2518225A; US2018179781A1; EP2312083A3; CN102939428A; CN103003510A; AU2020100759B4; AU2019204039B2; CH706689A1; EP3751074A1; US11598116B1; EP3543424A1; DE102014005717A1; WO2021105729A1; JP2014118799A; WO2023030596A1; EP2378037B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2116676 A1 20091111**

DOCDB simple family (application)

**EP 08380138 A 20080505**