

Title (en)
Handrail

Title (de)
Geländer

Title (fr)
Balustrade

Publication
EP 1273735 A3 20030115 (DE)

Application
EP 02011135 A 20020521

Priority
DE 20111077 U 20010704

Abstract (en)
[origin: EP1273735A2] Handrail comprises several railing bars (1) and several connecting elements (40), each having a connecting rod (3) with a right-hand thread on its first end (4a) and a left-hand thread on its second end (4b), and a first and second sleeve (2), each having a corresponding opposite thread in a through hole (5a, 5b) perpendicular to the sleeve axis. The first and second sleeves slide onto the railing bars so that the connecting bar is held under clamping pressure on the railing bar when screwed into the first and second sleeves.

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)

Citation (search report)
• [A] DE 1759710 A1 19710701 - KABEL METALLWERKE GHH
• [A] US 5667199 A 19970916 - HAMM WILFRIED [DE]
• [A] DE 19506712 A1 19960912 - LEHNER KURT [DE], et al

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)
DE 20111077 U1 20010913; EP 1273735 A2 20030108; EP 1273735 A3 20030115

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DE 20111077 U 20010704; EP 02011135 A 20020521