

Title (en)
Balustrades for buildings

Title (de)
Geländer für Bauwerke

Title (fr)
Balustrades pour bâtiments

Publication
EP 1387019 A3 20041208 (DE)

Application
EP 03014230 A 20030625

Priority
• DE 20211651 U 20020729
• DE 20303467 U 20030305

Abstract (en)
[origin: EP1387019A2] A metal staircase handrail consists of a series of upright supports (1) with side-apertures for link-bars. The upright support aperture forms a socket which receives esp. a two-part discus-shaped socket fixture with apertures for the link-bars. The discus rotates within the socket to any selected angle.

IPC 1-7
E04F 11/18

IPC 8 full level
E04F 11/18 (2006.01)

CPC (source: EP)
E04F 11/1817 (2013.01); **E04F 11/1834** (2013.01); **E04F 2011/1819** (2013.01)

Citation (search report)
• [XAY] DE 10042406 A1 20010607 - POLENZ JUERGEN [DE]
• [XAY] EP 1026339 A2 20000809 - POHATSCHKA GERALD [DE]
• [YA] GB 563093 A 19440728 - JAMES THOMAS GATEHOUSE
• [A] US 6029954 A 20000229 - MURDACA DOMENICO [CA]

Cited by
US9963854B2; US8714529B2; WO2011033297A3

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

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EP 1387019 A2 20040204; EP 1387019 A3 20041208

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