

Title (en)  
Handrail assemblies

Title (de)  
Handlaufsbaukäte

Title (fr)  
Ensembles de main courante

Publication  
**EP 1691001 A1 20060816 (EN)**

Application  
**EP 06075725 A 20030206**

Priority  
• EP 03250766 A 20030206  
• GB 0202905 A 20020207

Abstract (en)  
A handrail assembly 1 for a staircase or the like comprises a base rail R and a handrail 2 each preferably having at least one substantially flat surface (2a, Figure 18), at least one upright post 3 and a bracket 4 to connect one rail 2 to the upright post 3, the post-to-rail bracket 4 having a base 40 for engagement with the substantially flat surface (2a, Figure 18) of the rail 2 and a deformable portion 45 to accommodate different inclinations of the rail 2 relative to the post 3. An assembly 1 may further comprise a connector 5 to interconnect the handrail 2 with a rail 6, the connector 5 preferably having a first hollow portion with an internal cross-sectional shape to match the cross-section of the handrail 2, the handrail 2 extending at least partially into the first hollow portion.

IPC 8 full level  
**E04F 11/18** (2006.01); **F16C 11/12** (2006.01)

CPC (source: EP GB)  
**E04F 11/18** (2013.01 - GB); **E04F 11/181** (2013.01 - EP); **E04F 11/1834** (2013.01 - EP); **E04F 2011/1819** (2013.01 - EP); **E04F 2011/1821** (2013.01 - EP); **E04F 2011/1827** (2013.01 - EP)

Citation (applicant)  
• US 5056283 A 19911015 - SAPINSKI THOMAS A [US]  
• US 4533121 A 19850806 - BASEY GENE [US]  
• US 4352485 A 19821005 - BASEY GENE  
• GB 2299370 A 19961002 - KEE KLAMPS LTD [GB]  
• DE 9419943 U1 19950202 - GLOCKNER DIETER ING GRAD [DE]

Citation (search report)  
• [XAY] FR 2738862 A1 19970321 - GIBERT DIDIER [FR]  
• [YA] DE 9419943 U1 19950202 - GLOCKNER DIETER ING GRAD [DE]  
• [XAY] EP 0495577 A1 19920722 - NORTHERN JOINERY LTD [GB]  
• [XA] DE 2600057 A1 19770714 - MEYER BERND  
• [DYA] GB 2299370 A 19961002 - KEE KLAMPS LTD [GB]  
• [XA] GB 2244733 A 19911211 - VISADOR COMPANY [US]  
• [XA] US 4050828 A 19770927 - NORO TADAOMI  
• [XA] GB 2226062 A 19900620 - YOSHIDA KOGYO KK [JP]

Citation (third parties)  
Third party :  
RICHARD BURBIDGE: "Stair balustrading", BROCHURE RICHARD BURBIDGE, June 2002 (2002-06-01), XP003011458

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)  
**EP 1335081 A2 20030813; EP 1335081 A3 20050202**; EP 1691001 A1 20060816; GB 0202905 D0 20020327; GB 2385067 A 20030813; GB 2385067 B 20060215

DOCDB simple family (application)  
**EP 03250766 A 20030206**; EP 06075725 A 20030206; GB 0202905 A 20020207