

Title (en)  
Circular staircase

Title (de)  
Spindeltreppe

Title (fr)  
Escalier en colimaçon

Publication  
**EP 0757741 B1 19970917 (DE)**

Application  
**EP 95915795 A 19950415**

Priority  
• DE 9500531 W 19950415  
• DE 19503582 A 19950203

Abstract (en)  
[origin: WO9623941A1] A circular staircase has individual steps made of stone, in particular natural stone, mounted on the central newel. The steps have each a reinforcing member (4) with one end that may be joined to the newel (2) and another end that may be pre-stressed by a pre-stressing element (7) against the step (3).

IPC 1-7  
**E04F 11/02**

IPC 8 full level  
**E04F 11/02** (2006.01); **E04F 11/032** (2006.01)

CPC (source: EP)  
**E04F 11/032** (2013.01)

Cited by  
DE102005035560B3; DE19827670B4; EP0967339A2

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**WO 9623941 A1 19960808**; AT E158372 T1 19971015; CN 1177389 A 19980325; CZ 27897 A3 19970917; CZ 290211 B6 20020612; DE 19503582 A1 19960808; DE 19503582 C2 19961212; DE 59500693 D1 19971023; DK 0757741 T3 19980105; EP 0757741 A1 19970212; EP 0757741 B1 19970917; ES 2108579 T3 19971216; GR 3024953 T3 19980130; HU T77763 A 19980728; PL 179233 B1 20000831; PL 321598 A1 19971208; RU 2133808 C1 19990727

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**DE 9500531 W 19950415**; AT 95915795 T 19950415; CN 95197727 A 19950415; CZ 27897 A 19950415; DE 19503582 A 19950203; DE 59500693 T 19950415; DK 95915795 T 19950415; EP 95915795 A 19950415; ES 95915795 T 19950415; GR 970402597 T 19971008; HU 9700218 A 19950415; PL 32159895 A 19950415; RU 97114888 A 19950415