

Title (en)
Spiral staircase.

Title (de)
Wendeltreppe.

Title (fr)
Escalier hélicoïdal.

Publication
EP 0195666 A2 19860924 (EN)

Application
EP 86302032 A 19860319

Priority
GB 8507174 A 19850320

Abstract (en)
A spiral staircase is constructed using tread mounting brackets which secure the treads to the central support column (1) without the need for special mounting collars. Each tread bracket (2) is clamped to the support column (1) by means of a strap (12) which passes around the support column (1), the end of the strap engaging grooves (15, 16) in a mounting block (13). The mounting block (13) is provided with one or more bolts (14) threadedly mounted therein, which engage a back plate (11) of the mounting bracket (2). Thus, when the bolt or bolts are tightened, the block (13) is urged away from the back plate (11), the tension in the strap increases, and thus the bracket (2) is urged towards the column (1). The baluster (4) is attached to the treads (3) by means of mounting brackets (29) which are adapted to be slidably mounted in channels or grooves provided in the outer edges of the treads. Each bracket has a collar which is slidably engageable with the baluster (4) and means for clamping the collar to the baluster. The baluster may extend through the collar to below the level of the tread (3), and therefore it does not have to be cut to any precise length.

IPC 1-7
E04F 11/12

IPC 8 full level
E04F 11/032 (2006.01)

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

Cited by
EP0263600A3; DE19901151A1; DE19917348A1; GB2179979B; EP2505736A1

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DE FR GB IT NL

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