

Title (en)

DEVICE WITH ASSEMBLY PANELS, ESPECIALLY FOR THE CONSTRUCTION OF A GROUND COVERING, A FLOOR OR A CEILING

Publication

EP 0176645 B1 19880406 (FR)

Application

EP 84420168 A 19841005

Priority

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Abstract (en)

[origin: EP0176645A1] 1. Device comprising various elements which can be fitted together, including slabs (1), (11), (21), (31) which are all identical with one another and each of which is produced from a piece of moulded material and possesses a plurality of hollow feet (16) fixed to its lower face, below the surface of which they are distributed, whereas on its periphery are likewise distributed fixing and attachment members, some of these being of male type, having a dovetail tenon (4) provided with a lower latch (7), provided with a horizontal latching support nose (9), whereas others are of female type, constituted by a notch (3) of the same shape as the dovetail, having a lower scalloping (10) in the shape of an inverted U, characterized in that the vertical base of each dovetail notch (3) possesses, in its central part, a recess which defines an oblique entry ramp (15), inclined upwards towards the interior of the slab (1), (11), (21), (31), so that when two adjacent slabs (1), (11) are assembled the operation takes place in two stage, namely : - a first stage in which each latch (7) of a male fixing member is positioned in the upper recess (15) of each dovetail notch (3), the oblique face (8) of the latch (7) being applied against the oblique face of like orientation (15) of the recess, which ensures exact positioning of the locking members and of the slabs opposite to one another ; - a second stage, which consists in simply forcibly pressing the slab (11) possessing the male elements downwards relative to the slab (1) possessing the female elements, in order to bring about, by clipping, simple and automatically guided locking by virtue of the first stage.

IPC 1-7

E04F 15/024

IPC 8 full level

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CPC (source: EP)

E04F 15/02405 (2013.01); **E04H 15/56** (2013.01)

Cited by

DE3924648A1; FR2989984A1; EP0369987A1; GB2439683B; EP2206853A3; CN104790723A; FR2915501A1; EP0982448A1; GB2307260A; GB2307260B; US6089784A; GB2283769A; EP0382667A1; FR2642783A1; CN103061491A; US8230654B2; US8458974B2; US7162838B2; US8782989B2; US8146319B2; US8631624B2; EP2336452A2

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