

Title (en)

Floor panel assembly, floor panel and joining members for use therein

Title (de)

Bodenplattenanordnung, Bodenplatte und Verbindungselemente zur Verwendung damit

Title (fr)

Ensemble panneau de sol, panneau de sol et éléments d'assemblage pour utilisation dans celui-ci

Publication

EP 2754772 A1 20140716 (EN)

Application

EP 13151053 A 20130111

Priority

EP 13151053 A 20130111

Abstract (en)

A floor panel assembly comprises sheet-shaped floor panels (1 - 4) made of relatively resilient material. The floor panels are provided with a plurality of edges (5 - 8), wherein a first edge (7) of a first panel (2) and a second edge (8) of a second panel (3) are equipped with joining members (13, 14) which allow a joining of the first and second edges of the two panels by bringing these into engagement with each other, preferably in a relatively inclined position of the panels and then rotating said panels with respect to each other, so as to bring the upper surfaces (9) of both panels substantially in alignment with each other and have them meet at a vertical plane (VP). The first edge (7) being provided with a tongue (17) and the second edge (8) with a groove (18) adapted to receive the tongue therein so as to lock the panels at the adjacent edges at least in a direction perpendicular to the upper side and in a direction parallel to the upper side but perpendicular to the adjacent first and second edges in their joined position. The tongue (17) and groove (18) are so adapted to each other that an upper surface (24) of the tongue is urged against an upper wall (25) of the groove.

IPC 8 full level

E04F 15/00 (2006.01)

CPC (source: EP)

E04F 15/105 (2013.01); **E04F 2201/0138** (2013.01); **E04F 2201/0153** (2013.01)

Citation (search report)

- [X] US 2009320402 A1 20091231 - SCHACHT BENNY [BE], et al
- [X] EP 2281974 A2 20110209 - VAELINGE INNOVATION AB [SE]
- [X] WO 2012084604 A1 20120628 - AKZENTA PANELEE & PROFILE GMBH [DE], et al

Cited by

CN110409654A; CN113994057A; US11834844B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2754772 A1 20140716; EP 2971401 A1 20160120; EP 2971401 B1 20220309; EP 3992391 A1 20220504; EP 3992391 B1 20230315; EP 4202150 A2 20230628; EP 4202150 A3 20240214; ES 2913138 T3 20220531; ES 2942921 T3 20230607; HR P20230354 T1 20230609; PL 2971401 T3 20220620; PL 3992391 T3 20230717; PT 2971401 T 20220520; PT 3992391 T 20230607; WO 2014108537 A1 20140717

DOCDB simple family (application)

EP 13151053 A 20130111; EP 14700977 A 20140113; EP 2014050488 W 20140113; EP 21210836 A 20140113; EP 23155363 A 20140113; ES 14700977 T 20140113; ES 21210836 T 20140113; HR P20230354 T 20140113; PL 14700977 T 20140113; PL 21210836 T 20140113; PT 14700977 T 20140113; PT 21210836 T 20140113