

Title (en)

Floor panel with a lateral edge having a locking bar and method for connecting such floor panels

Title (de)

Fussbodenpaneel mit einer einen Sperrriegel aufweisenden Seitenkante sowie Verfahren zum Verbinden für solche Fussbodenpaneele

Title (fr)

Panneau de plancher comportant un bord latéral muni d'un verrou de blocage et procédé de connection de tels panneaux de plancher

Publication

EP 2718516 A1 20140416 (DE)

Application

EP 12721510 A 20120514

Priority

- DE 102011104718 A 20110606
- EP 2012058863 W 20120514

Abstract (en)

[origin: WO2012168033A1] What is represented and described is a floor panel (1, 1') having a first lateral edge (4, 4') and a second lateral edge (5, 5'), wherein the first lateral edge (4, 4') and the second lateral edge (5, 5') are opposite to one another and designed in a corresponding manner to one another so as to be able to connect the first lateral edge (4, 4') to a second lateral edge (5, 5') of a further floor panel (1, 1'), and wherein the first lateral edge (4, 4') has a base profile (8) and a locking bar (9, 9') which can be moved inwardly in order to lock the first lateral edge (4, 4') to a second lateral edge (5, 5'). In order to be able to improve the flexibility and the degrees of freedom during the construction of locking profiles having locking bars without having to accept an increased risk of damage to the locking bars due to an inappropriate handling of the floor panels, it is provided that the base profile (8) has an impact strip (13) defining an outer vertical plane (E), that the locking bar (9, 9') in the unconnected state adopts a position on the inner side of the vertical plane (E) and adjacent to the vertical plane or adjoins the vertical plane (E) or both projects outwardly with respect to the vertical plane (E) and is designed to adopt a position on the inner side of the vertical plane (E) at least during the connection of the first lateral edge (4, 4') to a second lateral edge (5, 5').

IPC 8 full level

E04F 15/02 (2006.01); **E04F 15/10** (2006.01)

CPC (source: EP)

E04F 15/02038 (2013.01); **E04F 15/10** (2013.01); **E04F 2201/0146** (2013.01); **E04F 2201/041** (2013.01); **E04F 2201/049** (2013.01)

Citation (search report)

See references of WO 2012168033A1

Cited by

EP4332322A2

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

DOCDB simple family (publication)

DE 102011104718 A1 20121206; **DE 102011104718 B4 20160804**; DK 2718516 T3 20150309; EP 2718516 A1 20140416; EP 2718516 B1 20141231; ES 2532720 T3 20150331; HR P20150309 T1 20150424; PL 2718516 T3 20150630; SI 2718516 T1 20150430; WO 2012168033 A1 20121213

DOCDB simple family (application)

DE 102011104718 A 20110606; DK 12721510 T 20120514; EP 12721510 A 20120514; EP 2012058863 W 20120514; ES 12721510 T 20120514; HR P20150309 T 20150318; PL 12721510 T 20120514; SI 201230166 T 20120514