

Title (en)

System consisting of two interconnectable building panels and an insert for locking these panels

Title (de)

Einrichtung bestehend aus zwei miteinander verbindbaren Bauplatten und einem Einsatz zum Verriegeln dieser Bauplatten

Title (fr)

Ensemble consistant en deux panneaux de construction interconnectables et un insert pour verrouiller ces panneaux

Publication

**EP 1420125 B1 20080514 (DE)**

Application

**EP 03004606 A 20030301**

Priority

DE 10253236 A 20021115

Abstract (en)

[origin: EP1420125A2] Device for locking together interconnected structural panels (1a, 2a), especially floor panels, comprises a core of wood material having on at least one edge a groove (4a) and on the opposite-lying edge a tongue (3a) corresponding to the groove. Two interconnected panels are locked together by the tongue and groove connection in a horizontal (H) or a vertical direction (V). The tongue and the groove are each provided with at least one recess (5). The recesses lie opposite each other when the plates are interconnected. An insert (7) engaging in the recesses has at least one elastic lip (7') which is used to lock the panel in the other, either vertical or horizontal, direction. Preferred Features: The insert is a plastic injection-molded part having two lips.

IPC 8 full level

**E04F 15/02** (2006.01)

CPC (source: EP US)

**E04F 15/02** (2013.01 - EP US); **E04F 15/181** (2013.01 - EP US); **E04F 2201/0115** (2013.01 - EP US); **E04F 2201/0138** (2013.01 - EP US); **E04F 2201/023** (2013.01 - EP US); **E04F 2201/026** (2013.01 - EP US); **E04F 2201/0523** (2013.01 - EP US); **E04F 2201/0529** (2013.01 - EP US); **E04F 2290/043** (2013.01 - EP US)

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**US 2004128934 A1 20040708; US 7484337 B2 20090203**; AT E395481 T1 20080515; DE 50309830 D1 20080626; EP 1420125 A2 20040519; EP 1420125 A3 20050511; EP 1420125 B1 20080514; ES 2307840 T3 20081201; US 2009133358 A1 20090528; US 9169658 B2 20151027

DOCDB simple family (application)

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