

Title (en)  
FLOORING STRUCTURE

Title (de)  
FLURBEDECKUNGSSTRUKTUR

Title (fr)  
STRUCTURE PARQUET

Publication  
**EP 1149212 B1 20040519 (EN)**

Application  
**EP 00901371 A 20000113**

Priority  
• SE 0000037 W 20000113  
• SE 9900095 A 19990115

Abstract (en)  
[origin: WO0042266A1] The present invention relates to a flooring structure in which the beams (1, 8) of the flooring structure are not interconnected with one another apart from in certain discrete points, for example in bearing supports. In this instance, the bearing beams (1, 8) of the flooring structure do not dynamically co-operate with one another in any significant manner. As a result, improved footstep sound insulation will be obtained since the flooring structure only reacts locally to a dynamic loading. The flooring structure emits only sound in an area close to the applied dynamic loading. In the flooring structure according to the present invention, the beams (1, 8) lie considerably closer to one another compared with that which has previously been normal for light wooden flooring structures. In one embodiment of the present invention, the beams (8) and/or studs (10) placed between the beams (1, 8) and floor panels (5) are provided with grooves (9). As a result of these grooves (9) torsional and compression rigidity at the anchorage points with the floor are reduced, which gives improved footstep sound insulation compared with beams and/or studs without grooves.

IPC 1-7  
**E04B 5/12**; **E04B 1/82**

IPC 8 full level  
**E04B 1/82** (2006.01); **E04B 5/12** (2006.01); **E04B 5/43** (2006.01); **E04F 15/20** (2006.01)

CPC (source: EP)  
**E04B 5/12** (2013.01); **E04F 15/20** (2013.01)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0042266 A1 20000720**; AT E267309 T1 20040615; AU 2141200 A 20000801; CA 2360565 A1 20000720; CN 1143041 C 20040324; CN 1344344 A 20020410; DE 60010857 D1 20040624; DE 60010857 T2 20041104; DK 1149212 T3 20040830; EP 1149212 A1 20011031; EP 1149212 B1 20040519; JP 2002535515 A 20021022; NO 20013400 D0 20010709; NO 20013400 L 20010709; SE 521561 C2 20031111; SE 9900095 D0 19990115; SE 9900095 L 20000716

DOCDB simple family (application)  
**SE 0000037 W 20000113**; AT 00901371 T 20000113; AU 2141200 A 20000113; CA 2360565 A 20000113; CN 00802817 A 20000113; DE 60010857 T 20000113; DK 00901371 T 20000113; EP 00901371 A 20000113; JP 2000593816 A 20000113; NO 20013400 A 20010709; SE 9900095 A 19990115