

Title (en)

Sound-insulating subfloor-assembly for floor elements of ceramic or natural stone

Title (de)

Schalldämmender Unterbodenaufbau für keramische Bodenbelagselemente oder Naturstein

Title (fr)

Sous-plancher isolant acoustique pour revêtement de sol en céramique ou pierre naturelle

Publication

EP 1416105 A1 20040506 (EN)

Application

EP 03078684 A 20031029

Priority

NL 1021809 A 20021101

Abstract (en)

Subfloor or covering floor for flooring or flooring elements (5) comprises an assembly of lower and top plates (2, 3) that are glued to one another. The assembly can reduce impact sound by ≥ 10 dB, and apply all types of flooring including ceramic floor elements or floor elements of natural stone. Independent claims are also included for: (a) edge strip to be used together with a subfloor, comprises a foam material having an open or closed cell structure; (b) connecting mechanism for a subfloor, comprising a fiber tape for connecting adjacent top plates; (c) mortar (12) to be used for applying ceramic flooring elements or flooring elements of natural stone into a subfloor; and (d) joint mortar (13) for joining ceramic flooring elements or flooring elements of natural stone on a subfloor. A single component or two component mortar comprises a synthetic resin and the second one a quick cement. The joint mortar is a single component or two component mortar. The first component of the joint mortar comprises cement and the second component is a dispersion having elastic properties.

IPC 1-7

E04F 15/20

IPC 8 full level

E04F 15/20 (2006.01)

CPC (source: EP)

E04F 15/20 (2013.01)

Citation (search report)

- [XAY] EP 0421849 A1 19910410 - TOMECHANIC SA [FR]
- [XA] US 5187905 A 19930223 - POURTAU JEAN-JACQUES [FR], et al
- [XY] EP 0904932 A2 19990331 - KABUSHIKIKAISHA EDAGUMI [JP]
- [YA] EP 0461328 A1 19911218 - TINE HOLDING S A [LU]
- [YA] DE 19916353 A1 20001019 - SCHWOERER HAUS GMBH & CO [DE]
- [YA] FR 2372942 A1 19780630 - BAT APPLIC REVETEMENTS PLASTIQ [FR]
- [A] US 3902293 A 19750902 - WITT ALVIN E, et al

Cited by

GB2437370A; GB2437370B; WO2023097110A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1416105 A1 20040506; EP 1416105 B1 20080423; AT E393275 T1 20080515; DE 60320506 D1 20080605; DE 60320506 T2 20090625; NL 1021809 C2 20040506

DOCDB simple family (application)

EP 03078684 A 20031029; AT 03078684 T 20031029; DE 60320506 T 20031029; NL 1021809 A 20021101