

Title (en)

Floor panel with connecting means for mechanical joining and with elastic compensation means

Title (de)

Bodenplatte mit Verbindungsmitteln zur mechanischen Verbindung und mit elastischen Ausgleichmitteln

Title (fr)

Panneau de plancher avec des moyens d'assemblage pour liaison mécanique et des moyens élastiques de compensation

Publication

**EP 1412596 B1 20090826 (EN)**

Application

**EP 02749499 A 20020729**

Priority

- SE 0201417 W 20020729
- SE 0102620 A 20010727

Abstract (en)

[origin: WO03012224A1] Floor panels and floor elements therefore are made of sheet-shaped cores (30) which before application of the surface layer (31) of the floor panels are formed with sealing means (20, 52, 57) for counteracting changes, caused by moisture, of the properties of the floor panels.

IPC 8 full level

**E04F 15/04** (2006.01); **B27M 3/04** (2006.01); **E04F 15/18** (2006.01); **E04F 15/02** (2006.01)

CPC (source: EP KR)

**E04F 15/02016** (2013.01 - EP); **E04F 15/02033** (2013.01 - EP); **E04F 15/02038** (2013.01 - EP); **E04F 15/02188** (2013.01 - EP); **E04F 15/04** (2013.01 - KR); **E04F 15/102** (2013.01 - EP); **E04F 15/107** (2013.01 - EP); **E04F 15/181** (2013.01 - EP); **E04F 15/206** (2013.01 - EP); **E04F 2201/0115** (2013.01 - EP); **E04F 2201/0153** (2013.01 - EP); **E04F 2201/07** (2013.01 - EP); **E04F 2290/042** (2013.01 - EP)

Citation (examination)

- WO 02060691 A1 20020808 - PERGO AB [SE]
- EP 1262609 A1 20021204 - TARKETT SOMMER SA [FR]

Cited by

EP1999319A4

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Designated extension state (EPC)

SI

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**WO 03012224 A1 20030213**; AT E441007 T1 20090915; AU 2002320004 B2 20080131; BR 0211676 A 20040713; CA 2453599 A1 20030213; CA 2453599 C 20100907; CN 100402782 C 20080716; CN 1547638 A 20041117; DE 20222019 U1 20110505; DE 60233504 D1 20091008; DK 2146024 T3 20130513; EP 1412596 A1 20040428; EP 1412596 B1 20090826; EP 2146024 A2 20100120; EP 2146024 A3 20110525; EP 2146024 B1 20130227; EP 2281977 A2 20110209; EP 2281977 A3 20110525; EP 2281977 B1 20200408; EP 2287418 A2 20110223; EP 2287418 A3 20110525; EP 2287418 B1 20170823; EP 2287418 B2 20211013; EP 3783167 A2 20210224; EP 3783167 A3 20210310; EP 3783167 B1 20230524; ES 2407986 T3 20130617; HU 229529 B1 20140128; HU P0401186 A2 20040928; JP 2004537663 A 20041216; JP 4884647 B2 20120229; KR 100844247 B1 20080707; KR 20040025701 A 20040324; NO 20040112 L 20040326; NO 327624 B1 20090907; NZ 531374 A 20050826; PL 210011 B1 20111130; PL 366587 A1 20050207; PT 2146024 E 20130507; PT 2287418 T 20171117; RU 2004105858 A 20050820; RU 2289004 C2 20061210; SE 0102620 D0 20010727; SE 0102620 L 20030128; SE 519791 C2 20030408

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**SE 0201417 W 20020729**; AT 02749499 T 20020729; AU 2002320004 A 20020729; BR 0211676 A 20020729; CA 2453599 A 20020729; CN 02816733 A 20020729; DE 20222019 U 20020729; DE 60233504 T 20020729; DK 09168587 T 20020729; EP 02749499 A 20020729; EP 09168587 A 20020729; EP 10182245 A 20020729; EP 10182599 A 20020729; EP 20168246 A 20020729; ES 09168587 T 20020729; HU P0401186 A 20020729; JP 2003517390 A 20020729; KR 20047000883 A 20020729; NO 20040112 A 20040112; NZ 53137402 A 20020729; PL 36658702 A 20020729; PT 09168587 T 20020729; PT 10182599 T 20020729; RU 2004105858 A 20020729; SE 0102620 A 20010727