

Title (en)  
COVERING COMPRISING PANELS THAT CAN BE CONNECTED TO EACH OTHER MECHANICALLY

Title (de)  
BELAG AUS MECHANISCH MITEINANDER VERBINDBAREN PANEELN

Title (fr)  
REVÊTEMENT COMPOSÉ DE PANNEAUX MÉCANIQUEMENT RELIABLES ENTRE EUX

Publication  
**EP 2459815 A1 20120606 (DE)**

Application  
**EP 10744855 A 20100713**

Priority  
• DE 102009034903 A 20090727  
• DE 2010000807 W 20100713

Abstract (en)  
[origin: WO2011012105A1] The invention relates to a covering comprising panels that can be connected to each other mechanically, having the following features: a) adjacent first and second panels (1, 2) each having a groove (12, 17) on the sides (6, 10) thereof that are complementary to each other, b) a spring (16) that can be moved relative to the panel (1) is disposed in one of the grooves (12), said spring being suitable for engaging in the groove (17) of the adjacent panel (2) when the adjacent panels (1, 2) are connected, c) the panel (1) that retains the spring (16) has a locking strip (3) that reaches under the adjacent panel (2), said locking strip being suitable for securing adjacent panels (1, 2) against tensile loads in a laying plane, d) the panel (2) under which the locking strip (3) reaches is supported both on the locking strip (3) and on a support strip (11), which is arranged at a greater distance from the locking strip (3) than the groove (12), and e) the support strip (11) engages in the same groove (17) into which the spring (16) can be moved.

IPC 8 full level  
**E04F 13/08** (2006.01); **E04F 15/02** (2006.01)

CPC (source: EP US)  
**E04F 13/08** (2013.01 - EP US); **E04F 15/02** (2013.01 - EP US); **E04F 2201/0115** (2013.01 - EP US); **E04F 2201/0138** (2013.01 - EP US); **E04F 2201/0153** (2013.01 - EP US); **E04F 2201/0523** (2013.01 - EP US); **E04F 2201/0541** (2013.01 - EP US); **Y10T 29/49815** (2015.01 - EP US); **Y10T 29/49826** (2015.01 - EP US)

Citation (search report)  
See references of WO 2011012105A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102009034903 B3 20110120**; EP 2459815 A1 20120606; EP 2459815 B1 20140924; PL 2459815 T3 20141231;  
US 2012174519 A1 20120712; US 9109366 B2 20150818; WO 2011012105 A1 20110203

DOCDB simple family (application)  
**DE 102009034903 A 20090727**; DE 2010000807 W 20100713; EP 10744855 A 20100713; PL 10744855 T 20100713;  
US 201013387579 A 20100713