

Title (en)
FLOOR PANEL MADE OF PLASTIC HAVING MECHANICAL LOCKING EDGES

Title (de)
FUßBODENPANEEL AUS KUNSTSTOFF MIT MECHANISCHEN VERRIEGELUNGSKANTEN

Title (fr)
PANNEAU DE PLANCHER EN MATIÈRE PLASTIQUE, COMPORTANT DES ARÊTES DE VERROUILLAGE MÉCANIQUES

Publication
EP 2318613 A1 20110511 (DE)

Application
EP 09780976 A 20090723

Priority
• EP 2009059487 W 20090723
• DE 202008011589 U 20080901

Abstract (en)
[origin: CA2734801A1] The invention relates to a floor panel (1) comprising a carrier layer (2) comprising a plastic material that is pliable and elastic at an application temperature of the flooring, a decorative layer (3) being disposed above the carrier layer (2), complementary mechanical locking means (8, 9) being provided on at least two panel edges (1a, 1b, 1c, 1d, 11, 12), said locking means cooperating in the locked state of two floor panels (1) and counter-acting a moving apart of the floor panels (1), wherein at least one panel edge (1a, 1b, 1c, 1d, 11, 12) has an edge break-away point (4) at the edge of the decorative layer (3).

IPC 8 full level
E04F 15/02 (2006.01)

CPC (source: EP KR US)
E04F 15/02 (2013.01 - EP US); **E04F 15/02033** (2013.01 - EP US); **E04F 15/02038** (2013.01 - KR); **E04F 15/04** (2013.01 - EP US); **E04F 2201/0138** (2013.01 - EP KR US); **E04F 2201/0153** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2010023042A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE 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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 202008011589 U1 20081127; CA 2734801 A1 20100304; CA 2734801 C 20150421; CN 102137978 A 20110727; CN 102137978 B 20130320; DK 2318613 T3 20141208; EP 2318613 A1 20110511; EP 2318613 B1 20140903; ES 2525471 T3 20141223; HK 1156992 A1 20120622; KR 101175060 B1 20120816; KR 20110055565 A 20110525; PL 2318613 T3 20150331; PT 2318613 E 20141212; RU 2011112392 A 20121010; RU 2482249 C2 20130520; US 11002020 B2 20210511; US 2011138722 A1 20110616; US 2017335571 A1 20171123; US 9745756 B2 20170829; WO 2010023042 A1 20100304

DOCDB simple family (application)
DE 202008011589 U 20080901; CA 2734801 A 20090723; CN 200980133347 A 20090723; DK 09780976 T 20090723; EP 09780976 A 20090723; EP 2009059487 W 20090723; ES 09780976 T 20090723; HK 11111174 A 20111019; KR 20117004176 A 20090723; PL 09780976 T 20090723; PT 09780976 T 20090723; RU 2011112392 A 20090723; US 201113027368 A 20110215; US 201715660363 A 20170726