

Title (en)  
PLASTIC PANEL HAVING A HOOK-TYPE PROFILE

Title (de)  
KUNSTSTOFFPANEEL MIT HAKENPROFIL

Title (fr)  
PANNEAU EN MATIÈRE PLASTIQUE AVEC PROFIL À CROCHET

Publication  
**EP 2318614 A2 20110511 (DE)**

Application  
**EP 09780975 A 20090723**

Priority  
• EP 2009059486 W 20090723  
• DE 202008010555 U 20080808

Abstract (en)  
[origin: CA2733488A1] The invention relates to a floor panel (1) which is designed as a multi-ply laminate and comprises at least one plastic support (30), a decor layer (31) applied to a top face of the plastic support, a transparent covering (32) applied to the decor layer, and a backing layer (33) applied to the lower face of the elastic support, the panel having pairs of opposite lateral edges (3, 4; 5, 6) comprising complementary holding profiles. The holding profiles of at least one of the two lateral edge pairs are designed as form-locking complementary hook-type profiles and comprise a receiving hook (9) which faces the top face (2) of the floor panel, and a locking hook (10) arranged on the opposite lateral edge, which faces the lower face (7) of the floor panel. The locking hook (10) comprises a snap-in element (12, 13, 14) on a distal lateral face (11), said snap-in element being associated with a complementary snap-in element (22, 23, 21) on a proximal lateral face (20) of the hook profile having the receiving hook. (SEE FIGURE 3)

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

CPC (source: EP KR US)  
**E04F 15/02** (2013.01 - EP US); **E04F 15/02038** (2013.01 - KR); **E04F 2201/0138** (2013.01 - EP KR US); **E04F 2201/026** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2010015516A2

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 202008010555 U1 20091217**; CA 2733488 A1 20100211; CA 2733488 C 20140527; CN 102165124 A 20110824; CN 102165124 B 20130612; DK 2318614 T3 20141208; EP 2318614 A2 20110511; EP 2318614 B1 20140903; ES 2525246 T3 20141219; HK 1156993 A1 20120622; KR 101174323 B1 20120816; KR 20110055606 A 20110525; PL 2318614 T3 20150331; PT 2318614 E 20141209; RU 2011108294 A 20120920; RU 2483178 C2 20130527; US 2011131909 A1 20110609; US 8544231 B2 20131001; WO 2010015516 A2 20100211; WO 2010015516 A3 20101209

DOCDB simple family (application)  
**DE 202008010555 U 20080808**; CA 2733488 A 20090723; CN 200980137827 A 20090723; DK 09780975 T 20090723; EP 09780975 A 20090723; EP 2009059486 W 20090723; ES 09780975 T 20090723; HK 11111175 A 20111019; KR 20117005475 A 20090723; PL 09780975 T 20090723; PT 09780975 T 20090723; RU 2011108294 A 20090723; US 201113022758 A 20110208