

Title (en)
PANEL WITH BREAKPROOF COUPLING ELEMENTS

Title (de)
PANEEL MIT BRUCHFESTEN KOPPELELEMENTEN

Title (fr)
PANNEAU POURVU D'ÉLÉMENTS D'ACCOUPLEMENT RÉSISTANT À LA RUPTURE

Publication
EP 3892793 B1 20231025 (DE)

Application
EP 20168713 A 20200408

Priority
EP 20168713 A 20200408

Abstract (en)
[origin: CA3175143A1] The present invention relates to a panel (10a, 10b) for a paneling, more particularly to a floor panel for a floor covering, comprising: - a panel upper surface (12) and a panel lower surface (14) parallel to the panel upper surface, which are mutually spaced by a total thickness (G); - an upper coupling element (16) and a lower coupling element (18), wherein two panels (10a, 10b) of this type are designed such that said panels can be coupled to each other by means of a downward movement of the upper coupling element (16) of the first panel (10a) relative to the lower coupling element (18) of the second panel (10b); wherein the upper coupling element (16) has a detent element (24) and the lower coupling element (18) has a detent receptacle (26); wherein the upper coupling element (16) has a locking receptacle (28) and the lower coupling element (18) has a locking element (30); and wherein a material thickness (UM) of the lower coupling element (18) between the panel lower surface (14) and the detent receptacle (26) is less than 100 percent of a material thickness (OM) of the upper coupling element (16) between the panel upper surface (12) and the locking receptacle (28).

IPC 8 full level
E04F 15/02 (2006.01); **E04F 15/10** (2006.01)

CPC (source: EP US)
E04F 15/02033 (2013.01 - EP); **E04F 15/02038** (2013.01 - EP US); **E04F 15/105** (2013.01 - EP US); **E04F 2201/0146** (2013.01 - EP US); **E04F 2201/042** (2013.01 - US); **E04F 2201/043** (2013.01 - US)

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3892793 A1 20211013; **EP 3892793 B1 20231025**; CA 3175143 A1 20211014; CN 115362302 A 20221118; CN 115362302 B 20240322; EP 4133140 A1 20230215; ES 2970309 T3 20240528; PL 3892793 T3 20240325; PT 3892793 T 20240125; US 2023193636 A1 20230622; WO 2021204903 A1 20211014

DOCDB simple family (application)
EP 20168713 A 20200408; CA 3175143 A 20210407; CN 202180024745 A 20210407; EP 2021059108 W 20210407; EP 21716454 A 20210407; ES 20168713 T 20200408; PL 20168713 T 20200408; PT 20168713 T 20200408; US 202117917286 A 20210407