

Title (en)  
PANELS COMPRISING COUPLING MEANS

Title (de)  
PANEELE MIT KUPPLUNGSMITTELN

Title (fr)  
PANNEAUX COMPORTANT DES MOYENS D'ACCOUPLEMENT

Publication  
**EP 1282752 A1 20030212 (DE)**

Application  
**EP 00940343 A 20000607**

Priority  
• DE 20008708 U 20000516  
• EP 0005252 W 20000607

Abstract (en)  
[origin: US2009249733A1] The invention relates to panels comprising coupling means which permit the panels to be interconnected by form fit. A first panel comprises a projecting edge positioned laterally on its underside as the coupling element. A second panel comprises a projecting edge positioned laterally on its upper side as the coupling element. One of the aforementioned edges has a first projecting locking element which engages in a corresponding first cavity or recess of the other edge when the two panels are joined together. The panels comprise additional coupling elements which lock the panels by form fit in a vertical direction, in relation to the surface of said panels. The coupling elements are configured in such a way that one panel can be connected to the other panel by form fit, by lowering the former in relation to the latter. Two panels of the aforementioned type can be interconnected without adhesive in a particularly rapid manner.

IPC 1-7  
**E04F 15/04**; **F16B 5/00**

IPC 8 full level  
**E04F 15/04** (2006.01); **F16B 5/00** (2006.01)

CPC (source: EP US)  
**E04F 15/04** (2013.01 - EP US); **E04F 2201/0138** (2013.01 - EP US); **E04F 2201/0153** (2013.01 - EP US); **E04F 2201/041** (2013.01 - EP US)

Citation (search report)  
See references of WO 0188306A1

Cited by  
EP1801314A1; WO2013102804A2; DE202019005364U1; US9206611B2; WO2014191861A1; US10100531B2; US10947741B2; US11441319B2; EP2829668A1; DE202017106600U1; WO2021089152A1; DE202009004530U1; WO2013102803A2; US8806830B2; US9290950B2; US9476207B2; US9534400B2; US10100532B2; WO2019015746A1; BE1026833A1; EP3901392A1; US11396758B2; US11459774B2; US10738480B2; US10738481B2; US10738482B2; DE202008008597U1; US8621814B2; EP2843154A1; EP3103938A1; US10815674B2; US10995500B2; EP3859098A1; US11668101B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 2009249733 A1 20091008**; **US 7980043 B2 20110719**; AT E279613 T1 20041015; AU 5531000 A 20011126; CN 1119477 C 20030827; CN 1313689 C 20070502; CN 1318126 A 20011017; CN 1439789 A 20030903; CN 2573601 Y 20030917; DE 20008708 U1 20000914; DE 50008277 D1 20041118; DK 1282752 T3 20050207; EP 1282752 A1 20030212; EP 1282752 B1 20041013; ES 2225158 T3 20050316; HK 1038386 A1 20020315; HK 1038386 B 20040213; NO 20025063 D0 20021022; NO 20025063 L 20030115; NO 320461 B1 20051212; PL 200137 B1 20081231; PL 364760 A1 20041213; PT 1282752 E 20050131; US 7603826 B1 20091020; WO 0188306 A1 20011122

DOCDB simple family (application)  
**US 48427609 A 20090615**; AT 00940343 T 20000607; AU 5531000 A 20000607; CN 00801482 A 20000607; CN 01200901 U 20010108; CN 03100685 A 20000607; DE 20008708 U 20000516; DE 50008277 T 20000607; DK 00940343 T 20000607; EP 0005252 W 20000607; EP 00940343 A 20000607; ES 00940343 T 20000607; HK 02100068 A 20020104; NO 20025063 A 20021022; PL 36476000 A 20000607; PT 00940343 T 20000607; US 27603600 A 20000607