

Title (en)  
PANEL AND PANEL FASTENING SYSTEM

Title (de)  
PANEEL SOWIE BEFESTIGUNGSSYSTEM FÜR PANELEE

Title (fr)  
PANNEAU ET DISPOSITIF DE FIXATION POUR PANNEAUX

Publication  
**EP 1190149 A1 20020327 (DE)**

Application  
**EP 99957874 A 19991009**

Priority  
• DE 9903259 W 19991009  
• DE 19929896 A 19990630  
• DE 29911462 U 19990702

Abstract (en)  
[origin: EP1243721A2] The mating holding profiles (4a,4b) hook together via elements (4c,4d) whose holding faces (5h) close the panels (4,6) together to give gap-free flooring. The hook element of the leading holding profile of one panel forms a crosspiece (4e) projecting at right angles from the narrow element side so as to lie on the top surface of the panel and a hook projecting from the free end of the crosspiece towards the underside of the panel as against the trailing holding profile of a panel which has a hook to reach out from the narrow side and form a crosspiece bearing on the underside of the panel. A hook projection from the free end of the crosspiece points towards the top side of the panel. Joined panels form a glue pocket between (12).

IPC 1-7  
**E04F 15/04**

IPC 8 full level  
**B27F 1/04** (2006.01); **E04F 15/04** (2006.01)

CPC (source: EP US)  
**B27F 1/04** (2013.01 - EP US); **E04F 15/02** (2013.01 - EP US); **E04F 15/04** (2013.01 - EP US); **E04F 2201/0115** (2013.01 - EP US); **E04F 2201/0138** (2013.01 - EP US); **E04F 2201/0146** (2013.01 - EP US); **E04F 2201/0153** (2013.01 - EP US); **E04F 2201/023** (2013.01 - EP US); **E04F 2201/025** (2013.01 - EP US); **E04F 2201/07** (2013.01 - EP US); **Y10T 403/65** (2015.01 - EP US); **Y10T 403/655** (2015.01 - EP US)

Citation (search report)  
See references of WO 0102670A1

Citation (third parties)  
Third party :  
• WO 0063510 A1 20001026 - PATT S R L [IT], et al  
• EP 0085196 A1 19830810 - JANSSEN & FRITSEN BV [NL]  
• FR 2278876 A1 19760213 - CHOPPE ROGER [FR]  
• DE 4122099 C1 19921001

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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)  
**EP 1243721 A2 20020925; EP 1243721 A3 20030709**; AT E222634 T1 20020915; AT E277246 T1 20041015; AU 1546600 A 20010122; AU 1546800 A 20010122; CA 2377799 A1 20010111; CA 2377799 C 20051129; CA 2377919 A1 20010111; CA 2377919 C 20051004; DE 59902425 D1 20020926; DE 59908387 D1 20040226; EP 1165906 A1 20020102; EP 1165906 B1 20020821; EP 1190149 A1 20020327; EP 1190149 B1 20040121; EP 2116666 A1 20091111; EP 2116666 B1 20180328; EP 2312087 A2 20110420; EP 2312087 A3 20110427; EP 2312087 B1 20180328; ES 2182582 T3 20030301; ES 2228133 T3 20050401; PT 1190149 E 20050131; RU 2224070 C2 20040220; US 6505452 B1 20030114; US 7896571 B1 20110301; WO 0102669 A1 20010111; WO 0102670 A1 20010111

DOCDB simple family (application)  
**EP 02014295 A 19991009**; AT 99957872 T 19991009; AT 99957874 T 19991009; AU 1546600 A 19991009; AU 1546800 A 19991009; CA 2377799 A 19991009; CA 2377919 A 19991009; DE 59902425 T 19991009; DE 59908387 T 19991009; DE 9903257 W 19991009; DE 9903259 W 19991009; EP 09002746 A 19991009; EP 10178733 A 19991009; EP 99957872 A 19991009; EP 99957874 A 19991009; ES 99957872 T 19991009; ES 99957874 T 19991009; PT 99957874 T 19991009; RU 2002102240 A 19991009; US 1919599 A 19991009; US 93779901 A 20010927