

Title (en)
Floorboard and locking system therefor

Title (de)
Bodenplatte und Verriegelungssystem dafür

Title (fr)
Plancher et système de verrouillage correspondant

Publication
EP 1852563 A3 20090819 (EN)

Application
EP 07114318 A 20020114

Priority
• EP 02729615 A 20020114
• SE 0100100 A 20010112
• SE 0100101 A 20010112

Abstract (en)
[origin: WO02055810A1] A floorboard and an openable locking system therefor comprise an undercut groove on one long side of the floorboard and a projecting tongue on the opposite long side of the floorboard. The undercut groove has a corresponding upwardly directed inner locking surface at a distance from its tip. The tongue and the undercut groove are formed to be brought together and pulled apart by a pivoting motion which has its centre (C) close to the intersection between the surface planes (HP) and the common joint plane (VP) of two adjoining floorboards. The undercut in the groove of such a locking system is produced by means of at least two disk-shaped cutting tools whose rotary shafts are inclined relative to each other to form first an inner part of the undercut portion of the groove and then a locking surface positioned closer to the opening of the groove. An installation method for a floor of such boards comprises the steps of laying a new board adjacent to a previously laid board, moving the tongue of the new board into the mouth of the undercut groove of the laid board, angling the new board upward during continued insertion of the tongue into the undercut groove and simultaneously angling down the new board to the final position. A manufacturing method for manufacturing the undercut groove uses machining by means of at least two different rotary cutting tools whose rotary shaft is set at different angles. A wedge-shaped tool for laying of the floorboards is wedge-shaped with an upwardly directed engaging surface at its thicker end.

IPC 8 full level
E04F 15/02 (2006.01); **E04F 15/00** (2006.01); **E04F 15/04** (2006.01)

CPC (source: EP KR)
E04F 15/02 (2013.01 - EP); **E04F 15/04** (2013.01 - KR); **E04F 15/04** (2013.01 - EP); **E04F 2201/0115** (2013.01 - EP);
E04F 2201/0153 (2013.01 - EP); **E04F 2201/023** (2013.01 - EP); **E04F 2201/025** (2013.01 - EP); **E04F 2201/041** (2013.01 - EP);
E04F 2201/042 (2013.01 - EP); **E04F 2201/0517** (2013.01 - EP)

Citation (search report)
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• [E] EP 1223265 A2 20020717 - HW IND GMBH & CO KG [DE]
• [A] EP 1045083 A1 20001018 - PREMARK RWP HOLDINGS INC [US]

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

Designated extension state (EPC)
SI

DOCDB simple family (publication)
WO 02055810 A1 20020718; AT E370293 T1 20070915; AT E383480 T1 20080115; AU 2002217740 B2 20050825;
AU 2002217740 C1 20060216; AU 2002219750 B2 20050825; AU 2002219750 C1 20060216; BR 0206563 A 20040622;
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CY 1108037 T1 20130904; CZ 20031846 A3 20040114; CZ 20031850 A3 20040317; CZ 304981 B6 20150304; CZ 305227 B6 20150624;
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SI 1349995 T2 20131231; SK 287961 B6 20120703; SK 287962 B6 20120703; SK 9242003 A3 20050804; SK 9252003 A3 20050602;
UA 75905 C2 20060615; UA 76974 C2 20061016; WO 02055809 A1 20020718

DOCDB simple family (application)
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