

Title (en)  
METHOD FOR PROCESSING A SIDE EDGE OF A PANEL

Title (de)  
VERFAHREN ZUM BEARBEITEN EINER SEITENKANTE EINES PANEELS

Title (fr)  
PROCÉDÉ DE TRAITEMENT D'UN BORD LATÉRAL D'UN PANNEAU

Publication  
**EP 2117788 A1 20091118 (DE)**

Application  
**EP 08864900 A 20081219**

Priority

- EP 2008010959 W 20081219
- DE 102007062430 A 20071220

Abstract (en)  
[origin: US2010058590A1] The invention relates to a method for processing a side edge of a panel (2), in particular a floor panel, with a top (18) and a bottom (19), which on at least two side edges lying opposite one another has profiles corresponding to one another such that two identically embodied panels (2) can be joined and locked to one another in the horizontal and vertical direction by an essentially vertical joining movement, wherein the locking in the vertical direction can be produced by at least one tongue element formed in one piece from the core and moveable in the horizontal direction, which tongue element during the joining movement snaps in behind a locking edge extending essentially in the horizontal direction and the tongue element is exposed by means of at least one essentially vertical slot with respect to the core, and at least one of the slots is not embodied in a continuous manner over the entire length of the side edge, wherein the at least one non-continuous slot is produced by at least one guided tool (41) such that the panel (2) is conveyed in a transport direction (x) under the tool (41), the tool (41) dips into the core of the panel (2) by means of a swivel motion and is lifted out again in the opposite direction before the panel (2) has been completely conveyed past under the tool (41).

IPC 8 full level  
**B27F 1/04** (2006.01); **B27F 1/08** (2006.01); **B27F 5/02** (2006.01); **E04F 15/04** (2006.01)

CPC (source: EP KR US)  
**B27F 1/04** (2013.01 - KR); **B27F 1/08** (2013.01 - KR); **B27F 5/02** (2013.01 - EP KR US); **E04F 15/02** (2013.01 - EP US); **E04F 15/04** (2013.01 - KR); **E04F 15/04** (2013.01 - EP US); **E04F 2201/0138** (2013.01 - EP US); **E04F 2201/041** (2013.01 - EP US); **Y10T 29/49629** (2015.01 - US); **Y10T 29/49996** (2015.01 - US)

Citation (search report)  
See references of WO 2009080328A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2010058590 A1 20100311**; **US 8726513 B2 20140520**; AT E497868 T1 20110215; AU 2008340681 A1 20090702; AU 2008340681 B2 20101202; BR PI0809284 A2 20140902; BR PI0809284 B1 20200303; CA 2687048 A1 20090702; CA 2687048 C 20110531; CN 101687335 A 20100331; CN 101687335 B 20111012; DE 102007062430 B3 20090702; DE 502008002556 D1 20110324; EP 2117788 A1 20091118; EP 2117788 B1 20110209; ES 2359294 T3 20110520; JP 2010528897 A 20100826; JP 5248603 B2 20130731; KR 101143737 B1 20120511; KR 20100017940 A 20100216; MX 2009011057 A 20091110; PL 2117788 T3 20110729; PT 2117788 E 20110513; RU 2009136945 A 20110420; RU 2426641 C2 20110820; UA 95514 C2 20110810; WO 2009080328 A1 20090702

DOCDB simple family (application)  
**US 59478108 A 20081219**; AT 08864900 T 20081219; AU 2008340681 A 20081219; BR PI0809284 A 20081219; CA 2687048 A 20081219; CN 200880010455 A 20081219; DE 102007062430 A 20071220; DE 502008002556 T 20081219; EP 08864900 A 20081219; EP 2008010959 W 20081219; ES 08864900 T 20081219; JP 2010510704 A 20081219; KR 20097027220 A 20081219; MX 2009011057 A 20081219; PL 08864900 T 20081219; PT 08864900 T 20081219; RU 2009136945 A 20081219; UA A200910182 A 20081219