

Title (en)

MECHANICAL LOCKING SYSTEM FOR FLOOR PANELS

Title (de)

MECHANISCHES ARRETIERUNGSSYSTEM FÜR BODENPLATTEN

Title (fr)

SYSTÈME DE VERROUILLAGE MÉCANIQUE POUR PANNEAUX DE PLANCHER

Publication

**EP 3460142 A1 20190327 (EN)**

Application

**EP 18197441 A 20120814**

Priority

- SE 1150740 A 20110815
- US 201161523602 P 20110815
- EP 12824639 A 20120814
- SE 2012050873 W 20120814

Abstract (en)

The disclosure relates to a strip part 6 configured to lock panels in a horizontal direction and to be fixed to a panel edge of one of the panels. The strip part comprises a strip body 7 with an inner part IP configured to be fixed under the panel edge and an outer part OP configured to extend outside the panel edge. The inner part comprises a fixing element 16 configured to lock the strip part to the panel edge in a horizontal direction. The outer part comprises a locking protrusion 19 located above the strip body and which is configured to lock the strip part to the panel edge vertically, and a locking element configured to lock the panels in the horizontal direction. Moreover, the inner part comprises a cavity 23 formed in the strip body and located between the fixing element and the locking protrusion.

IPC 8 full level

**E04F 15/02** (2006.01); **E04F 15/04** (2006.01)

CPC (source: EP)

**E04F 15/02038** (2013.01); **E04F 2201/0517** (2013.01)

Citation (search report)

- [X] EP 1120515 A1 20010801 - TRIAX N V [BE]
- [A] US 2011016815 A1 20110127 - YANG FENG-LING [TW]
- [A] US 5860267 A 19990119 - PERVAN TONY [SE]

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2013025165 A1 20130221**; BR 112014002872 A2 20170221; BR 112014002872 A8 20180403; BR 112014002872 B1 20200728; CN 103748299 A 20140423; EP 2744954 A1 20140625; EP 2744954 A4 20160601; EP 2744954 B1 20181003; EP 3460142 A1 20190327; EP 3460142 B1 20200930

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