

Title (en)  
DEVICE FOR LOCKING TWO FLOOR PANELS

Title (de)  
EINRICHTUNG ZUM VERRIEGELN ZWEIER BODENPANELEE

Title (fr)  
SYSTÈME POUR ENCLIQUETER DEUX PANNEAUX DE SOL

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Abstract (en)  
[origin: WO2018211054A1] The invention relates to a device for locking two interconnected floor panels (1, 2) that are identically embodied and comprise a core (3), an upper side (10, 20) and a lower side (11, 21), and a first lateral edge (I) and a second lateral edge (II) opposite the first lateral edge. On the upper side (10, 20), the first lateral edge (I) of the first floor panel (1) abuts against the second lateral edge (II) of the second floor panel (2). A horizontal groove (4) extending into the core (3) is embodied in the second lateral edge (II), with an upper wall (4.1), an inner wall (4.2) and a lower wall (4.3), the lower wall (4.3) being formed from a lower lip (1.1) projecting on the first lateral edge (I), which, on the outer end thereof, has a projection (1.2) that is oriented towards the upper side (10) and has a first locking edge (1.5), and at least one locking element (5) is inserted in the region of the connection point of the two floor panels (1, 2). An outwardly projecting spring (2.1) is provided on the second lateral edge (II), and comprises a step (2.2) forming a spring tip (2.3) on the outer end thereof, and on the end thereof facing the core (3), a second locking edge (2.5) extending in the vertical direction (V), the locking edge (2.5) being the outer wall of a vertical groove (6) open towards the lower side (21), in which the projection (1.2) engages. The locking takes place, in the vertical direction (V), by means of the spring tip (2.3) engaging in the horizontal groove (4), and in the horizontal direction (H), by means of the locking element (5) supported on the first locking edge (1.5) of the projection (1.2) and on the second locking edge (2.5) of the spring (2.1). The invention is characterised in that the locking element (5) is compressible in the vertical direction (V) and not compressible in the horizontal direction (H).

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