

Title (en)

SOUND-DAMPING COUPLING BETWEEN TWO BUILDING ELEMENTS OF WOOD

Title (de)

SCHALLDÄMPFENDE KUPPLUNG ZWISCHEN ZWEI GEBÄUDEELEMENTEN AUS HOLZ

Title (fr)

COUPLAGE INSONORISANT ENTRE DEUX PARTIES DE BÂTIMENT EN BOIS

Publication

**EP 2064396 A1 20090603 (EN)**

Application

**EP 07808887 A 20070914**

Priority

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- SE 0601946 A 20060919

Abstract (en)

[origin: WO2008036036A1] The invention concerns a sound-damping coupling between building elements that consist of solid wood, a first element (11 ) of which and a second element (11 ') of which are components of upper and lower sections of a load-bearing vertical wall, while a third element (12) is a component of a horizontally oriented floor structure and which third element is supported resting on the second element while the first element is supported resting on the third element, which coupling comprises screw means (22) that is arranged such that it can, in collaboration with a turning tool, place the second and third elements in contact with each other, a first member (13) of material that can be deformed in an elastomeric manner located between the second and the third elements and a second member (14) of material that can be deformed in an elastomeric manner located between the screw means and any one of the elements with which this interacts during the mutual contact of the elements, whereby the elements through which the screw means extends are mutually placed in tension in the in- contact condition through interaction between the screw means and the said first and second elastomeric members. In order to prevent the propagation of structure-borne sound between the wall and the floor structure, the screw means (22) comprises wooden screws, the extended central part (24) of which, with the form of a pin or cylinder, is accommodated in a vertically drilled hole (18) in the third element (12), the head (23) of which serves as turning means and is turned upwards from the upper surface of the third element, and whose end (25), which tapers and is provided with an external thread, is attached to the second element (111) through self-tapping immediate screw-driven insertion, whereby the first element (11 ) is located in position resting on the third element and coupled to the same in an installation operation that occurs after the joining of the second and third elements.

IPC 8 full level

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