

Title (en)
Attachment device with acoustic isolation for use in building constructions

Title (de)
Befestigungsvorrichtung mit akustischer Isolierung zur Verwendung im Hochbau

Title (fr)
Dispositif de fixation doté d'isolation acoustique pour le bâtiment

Publication
EP 2003258 A3 20140716 (EN)

Application
EP 08156497 A 20080519

Priority
US 93885207 P 20070518

Abstract (en)
[origin: EP2003258A2] The present invention is related to an attachment device for interconnecting a supporting structure of a building and a wall or panel facing said supporting structure, the device comprising three elements, the first (10,30,40) being attachable to the supporting structure, the second (12,35,41) being a damping element, and the third (20,37) being attachable to the exterior wall. The damping element is formed of a resilient material, and is arranged to connect the other two elements without said two elements making direct contact, so that an acoustic and vibrational decoupling is obtained. In each embodiment, the first element is shaped so as to form an area (11,50,60) for receiving the second element by inserting the second element into said area, without necessitating further mechanical attachment means. Likewise, the damping element comprises a receiving area (preferably a hole), for receiving the third element without the help of further mechanical attachment means.

IPC 8 full level
E04B 1/41 (2006.01); **E04B 1/76** (2006.01); **E04B 9/18** (2006.01); **E04F 13/08** (2006.01)

CPC (source: EP)
E04B 1/4178 (2013.01); **E04B 1/7616** (2013.01); **E04B 9/183** (2013.01); **E04B 2009/186** (2013.01)

Citation (search report)
• [X] EP 1548201 A2 20050629 - SUSPENSIONES ELASTICAS DEL NOR [ES]
• [X] FR 2800771 A1 20010511 - MAIZTARKOETXEA S L [ES]
• [X] FR 845467 A 19390824 - PLAFONDS ET LATTIS CHRISTIN SO
• [X] DE 4336338 A1 19940407 - BAUDASCH JUN FRITZ [DE]
• [X] US 3604531 A 19710914 - HARRIS JACK
• [X] US 1415273 A 19220509 - WHITNEY STEVENS CHARLES
• [A] FR 2711166 A1 19950421 - SALAUN ROGER [FR]

Cited by
GB2588594A; GB2588594B; EP3696341A1; WO2021074621A1

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2003258 A2 20081217; EP 2003258 A3 20140716; EP 2003258 B1 20160427; ES 2584877 T3 20160929

DOCDB simple family (application)
EP 08156497 A 20080519; ES 08156497 T 20080519