

Title (en)

EXTERNAL COUNTER-WALL STRUCTURE FOR THERMAL-ACOUSTIC INSULATION OF BUILDINGS

Title (de)

AUSSEN-GEGENWANDKONSTRUKTION ZUR THERMISCH-AKUSTISCHEN ISOLIERUNG VON GEBÄUDEN

Title (fr)

STRUCTURE DE PAREMENT EXTERNE POUR L'ISOLATION THERMIQUE ET ACOUSTIQUE DES BÂTIMENTS

Publication

**EP 3505704 A1 20190703 (EN)**

Application

**EP 18001013 A 20181227**

Priority

IT 201700151233 A 20171229

Abstract (en)

An external counter-wall structure for thermal-acoustic insulation of buildings, comprises a multilayer coating () adapted to cover the external wall () of a building to increase its thermal and/or acoustic insulation features, anchoring means () of the multilayer coating () to the external wall (), spacer means () adapted to be placed between the multilayer coating () and the external wall () to maintain the first spaced apart from the latter and define a first interspace (), a supporting frame () for an outer covering () placed on the opposite side of the multilayer coating () with respect to the spacer means (). The anchoring means () comprise a plurality of fastening elements each of which has a plug () adapted to be fixed in the outer wall () of the building and a pin () that can be inserted in the plug () to protrude from the external wall (), the pin () being adapted to make a corresponding hole in the multilayer coating () upon application by pressure of this latter on the fastening elements.

IPC 8 full level

**E04F 13/08** (2006.01); **E04F 13/00** (2006.01); **E04F 13/14** (2006.01); **E04F 13/16** (2006.01)

CPC (source: EP)

**E04F 13/007** (2013.01); **E04F 13/0807** (2013.01); **E04F 13/0814** (2013.01); **E04F 13/083** (2013.01); **E04F 13/14** (2013.01); **E04F 13/16** (2013.01)

Citation (search report)

- [Y] FR 2480834 A1 19811023 - CYREL SARL [FR]
- [Y] US 2009308001 A1 20091217 - WU SHAOBING [US], et al
- [Y] DE 4419589 A1 19941013 - HAMMERSCHMIDT ULRICH DIPL ING [DE], et al
- [Y] EP 3179008 A1 20170614 - KRIVINKA ZDENEK [CZ]
- [Y] EP 1203853 A2 20020508 - MUELLER WERNER [CH], et al
- [Y] GB 2497796 A 20130626 - HARDIE JAMES TECHNOLOGY LTD [IE]

Cited by

IT202200009833A1; WO2023218249A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3505704 A1 20190703**; **EP 3505704 B1 20201209**; ES 2859727 T3 20211004; PT 3505704 T 20210310

DOCDB simple family (application)

**EP 18001013 A 20181227**; ES 18001013 T 20181227; PT 18001013 T 20181227