Title (en)
A METHOD FOR THE THERMAL AND ACOUSTIC ACTIVE TYPE INSULATION OF BUILDINGS AND BUILDING MADE BY THIS METHOD

Title (de)
VERFAHREN FÜR DIE THERMISCHE UND AKUSTISCHE ISOLATION DES AKTIVEN TYPS VON GEBÄUDEN UND NACH DIESEM VERFAHREN HERGESTELLTES GEBÄUDE

Title (fr)
PROCÉDÉ D'ISOLATION THERMIQUE ET ACOUSTIQUE DE BÂTIMENTS DE TYPE ACTIF ET BÂTIMENT CONSTRUIT SELON LEDIT PROCÉDÉ

Publication
EP 3354811 A1 20180801 (EN)

Application
EP 17153206 A 20170126

Priority
EP 17153206 A 20170126

Abstract (en)
A method of active thermal and acoustic insulation for buildings, characterised by two layers, one encompassed by the other, never in contact, self-enclosed and entirely enveloping the entire inhabited space, made up of all outer and inner walls, and the floors and roofs of the building. The space between the two layers generates a single hermetically sealed volume. The volume can also be internally divided using ducts-including on several levels-acting as flow conveyors. The objective is to collect, through the layers, all the different temperatures present both inside and outside the building, causing a convective motion of the fluid or fluids present within the volume between the two layers, seeking the optimum thermal equilibrium. This method also allows the achievement of a degree of vacuum in the entire volume described above or in one of the layers of channels it may be divided into, to recover energy and to counteract seismic waves.

IPC 8 full level
E04B 1/00 (2006.01); E04B 1/32 (2006.01); E04B 1/74 (2006.01)

CPC (source: EP)
E04B 1/0023 (2013.01); E04B 1/3211 (2013.01); E04B 1/74 (2013.01); E04B 2001/327 (2013.01)

Citation (applicant)
• US 4006856 A 19770208 - NILSSON KARL N A
• US 4244519 A 19810113 - ZORNIG HAROLD F, et al

Citation (search report)
• [XI] US 4468902 A 19840904 - WILSON PRYCE [US]
• [X] US 4299066 A 19811110 - THOMPSON VIRLEY P
• [X] EP 0479308 A2 19920408 - DEMUTH MICHAEL [DE], et al

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

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