

Title (en)
METHOD FOR INSULATING AGAINST HEAT AND/OR COLD AND/OR SOUND AND/OR FIRE, AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)
VERFAHREN ZUR ISOLIERUNG GEGEN WÄRME UND/ODER KÄLTE UND/ODER SCHALL UND/ODER BRAND UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)
PROCEDE D'ISOLATION CONTRE LE CHAUD ET/OU LE FROID ET/OU LE SON ET/OU LE FEU ET DISPOSITIF DE MISE EN OEUVRE DE CE PROCEDE

Publication
EP 1255898 A1 20021113 (DE)

Application
EP 01915015 A 20010215

Priority
• DE 0100598 W 20010215
• DE 10006878 A 20000216

Abstract (en)
[origin: WO0161118A1] The invention relates to a method for insulating against heat and/or cold and/or sound and/or fire according to which the walls (5, 29, 25) are lined with one or more insulating bodies (1) of which each is comprised of two interspaced plates (2) whose intermediate space (4) is filled with insulation material, sealed in an air-tight manner from the exterior, and evacuated of air. The air content or the vacuum in the intermediate space (4) of the insulating body/bodies (1) and thus the thermal conductivity or sound conductivity thereof is changed according to the ambient temperature, the internal temperature and/or the external temperature or to the prevailing noise level in the area or space (7, 8, 21, 32, 34) to be insulated. The insulating effect of the insulation can thus be increased and adapted to respective needs, and the insulation can also be made transparent if required in order to utilize the ambient temperature. When used for fire protection, the intermediate space (4) of the insulating body/bodies (1) can additionally be flooded with a non-flammable gas, e.g. Halon gas, said flooding being initiated by a fire detector.

IPC 1-7
E04B 1/80

IPC 8 full level
E04B 1/90 (2006.01); **E04B 1/80** (2006.01); **E04B 1/94** (2006.01)

CPC (source: EP US)
E04B 1/803 (2013.01 - EP US); **Y02A 30/242** (2017.12 - EP US); **Y02B 80/10** (2013.01 - EP US)

Citation (search report)
See references of WO 0161118A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0161118 A1 20010823; DE 10006878 A1 20010906; EP 1255898 A1 20021113; JP 2003529000 A 20030930; US 2003046894 A1 20030313

DOCDB simple family (application)
DE 0100598 W 20010215; DE 10006878 A 20000216; EP 01915015 A 20010215; JP 2001559946 A 20010215; US 20436402 A 20020816