

Title (en)
Self-supporting light-weight insulation panel

Title (de)
Leichte selbsttragende Isolierplatte

Title (fr)
Panneau isolant léger autoportant

Publication
EP 2886734 B1 20200219 (EN)

Application
EP 13197792 A 20131217

Priority
EP 13197792 A 20131217

Abstract (en)
[origin: EP2886734A1] A self-supporting light-weight insulation panel 1 for use as a construction panel in buildings with - an insulating body 4 defining the geometry of the panel, having a length and a width, and having a first face 7 and a second face 8 arranged opposite to the first face 7, whereas the direction of insulation is from the first face 7 to the second face 8 or vice versa, and - a set of elongate members being arranged parallel or substantially parallel and with a distance to each other, each member extending at least substantially over the full length of the insulating body 4, - the elongate members being provided as non-metallic structural beams 2 responsible for the major load bearing capacity and the principal self-supporting characteristic of the insulation panel 1 in the direction of the longitudinal extension of the beams, - the structural beams being integrated into and connected to the insulating body 4 except for at least part of one of their faces, which face 3.1 is arranged to be flush or substantially flush with the first face of the insulating body 4 or which face is arranged to protrude from the first face of the insulating body 4, whereas the opposite side of the beams is spaced from the second face 8 of the insulating body 4, - the structural beams 2 being designed to provide a mounting base for a fastener, - the insulation panel 1 further comprising a set of elongate load-receiving members 9 arranged parallel or substantially parallel and with distance to each other, but in an angled direction to the set of structural beams 2, of which set of load-receiving members 9 at least one load receiving member 9 is arranged with its longitudinal side faces 5, 6 with distance to both transverse side faces 5, 6 of the insulating body 4, - the load-receiving members 9 also being integrated into and connected to the insulating body 4, except for at least part of one of its longitudinal faces, which is arranged to be flush or substantially flush with the second face 8 of the insulating body 4 or which is arranged protruding from the second face 8 of the insulating body 4, whereas the opposite side of these members is spaced from the first face 7 of the insulating body 4.

IPC 8 full level
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