

Title (en)
Self-supporting sandwich panel of plasterboard with polyurethane core

Title (de)
Selbsttragende Sandwichplatte aus Gipsplatten mit Polyurethankern

Title (fr)
Panneau sandwich autoportant de plâtre et noyau de polyuréthane

Publication
EP 2034102 B1 20131023 (EN)

Application
EP 07380247 A 20070907

Priority
EP 07380247 A 20070907

Abstract (en)
[origin: EP2034102A1] IMPROVED AUTO LOAD-BEARING "SANDWICH" TYPE PANEL, APPLICABLE AS THERMAL AND ACOUSTIC INSULATION AND PROCESS FOR ITS OBTAINING, constituted by an external part (2) shaped by plaster or laminated plaster in one or two layers and, optionally, additional insulating materials, and by an internal part (3) formed by a mixture of liquid polyol and isocyanate, with a solid fill or mineral, synthetic and/or vegetal origin, obtained by beating the fill with pre-mixed polyurethane components, pouring the compound between the external layers into a mould, expansion of the beaten mixture into the mould and, after 15-20 minutes, auto flattening of the compound, sealing and gluing of the same with the external layers. The fill of mineral, synthetic and/or vegetal origin constitutes a 60% of the mixture; the liquid polyurethane component used is polyol and isocyanate, each of them constituting 20%.

IPC 8 full level
E04C 2/20 (2006.01); **E04C 2/288** (2006.01); **E04C 2/296** (2006.01)

CPC (source: EP)
E04C 2/205 (2013.01); **E04C 2/288** (2013.01); **E04C 2/296** (2013.01)

Cited by
IT202000011965A1; CN110194642A; US11318708B2; US10287770B2; US10745905B2

Designated contracting state (EPC)
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