

Title (en)
COMPOSITE GYPSUM-BOARD PANEL AND METHOD FOR MANUFACTURING THEREOF

Title (de)
VERBUNDGIPSKARTONPLATTE UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
PANNEAU COMPOSITE A BASE DE PLATRE ET PROCEDE DE FABRICATION

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Application
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Abstract (en)
[origin: WO2004038121A1] A composite gypsum-board panel (1) formed by a simple gypsumboard panel (2), a foam layer (9) made of synthetic material adhering to said gypsum-board panel (2) and by a thermal conditioning circuit (16) which is sandwich-like integrally embedded between said gypsum-board panel (2) and said foam layer (9) of synthetic material. The thermal conditioning circuit (16) comprises a number of radiators (6) having a large radiant surface (8) and connecting unions (11) connecting radiators (6) of one panel (1). For connecting together composite panels (1, 1A) inlet/outlet unions (13) are provided which latter have an extension placed either parallel or orthogonally to the longitudinal direction of said composite panels (1, 1A). The invention also relates to a manufacturing and an installation method of the proposed composite gypsum board panels (1, 1A) as well as to walls and ceilings built with said panels (1, 1A). The proposed panels (1, 1A) are used for forming heating and refreshing plants of for example flat and house rooms.

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