

Title (en)

Building block with insulating material incorporated therein for exterior insulation.

Title (de)

Baublock mit integrierter Wärmedämmung zur Isolation von aussen.

Title (fr)

Bloc de construction à isolant incorporé pour isolation par l'extérieur.

Publication

EP 0041417 A1 19811209 (FR)

Application

EP 81400726 A 19810507

Priority

FR 8011973 A 19800529

Abstract (en)

1. Prefabricated building unit with incorporated insulation, and designed to the manufacture of an insulated wall by assembling such units by means of a mortar, said unit (10) comprising a bearing part (11) designed to be placed in the inner side of the wall, a facing part (12) designed to be placed on the outer side of the wall and an insulating plate (13) interposed between the bearing part (11) and the facing part (12), and having projecting ribs (14, 15) engaged in corresponding grooves (16, 17) provided in those sides of the bearing part and the facing part, which are in opposite relation, the insulating plate constituting the means for connecting the facing part (12) to the bearing part (11), characterized in that a plurality of air gaps (19) are provided between the opposite faces of the insulating plate (13) and of the facing part (12), so that when several units are assembled together, channels are formed by aligned air gaps, inside which the air can flow in these channels to reduce the temperature differences between the opposite faces of the facing parts of the assembled units and prevent deterioration of these facing parts owing to thermal stresses.

Abstract (fr)

Le bloc comporte une partie portante (11), et une planelle (12) disposées sur chaque face d'une plaque isolante (13) et reliées l'une à l'autre par celle-ci. Au moins une lame d'air (19) est ménagée entre les faces en regard de la plaque isolante et de la planelle de manière à constituer, lorsque plusieurs blocs sont assemblés, des conduits formés par lesdites lames d'air, communiquant éventuellement avec l'extérieur et dans lesquels l'air peut circuler pour réduire l'écart entre les températures régnant sur les faces opposées des planelles.

IPC 1-7

E04C 1/40

IPC 8 full level

E04C 1/40 (2006.01); **E04C 1/41** (2006.01)

CPC (source: EP)

E04C 1/41 (2013.01)

Citation (search report)

- FR 2122357 A1 19720901 - TOUSSAINT JACQUES
- FR 2341714 A1 19770916 - CENTRE ETD RECH IND BETON [FR]

Cited by

FR2588901A1; FR2577255A1; CN113090076A; EP1085137A1; FR2558867A1; AT507526B1; EP2226444A3; FR2927915A1; EP2096221A3; EP2226444A2; EP2116663A1; WO9810156A1; WO2006014039A1; WO2006014038A1; EP0112213B1

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