

Title (en)

PREFABRICATED MODULAR PANELS FOR THE CONSTRUCTION OF WALLS OF COTTAGES OR OF BUILDINGS IN GENERAL

Publication

EP 0025420 B1 19831221 (EN)

Application

EP 80830059 A 19800725

Priority

IT 3606979 A 19790831

Abstract (en)

[origin: EP0025420A1] Prefabricated modular panels for the construction of wall of cottages or buildings comprising: panels (1), each comprising a box-like body made of plastic and so shaped so as to constitute the form to be left in place for the casting therein of a concrete mix the box-like tubular body including two parallel main plate walls, inner partition walls (3, 4) for stiffening the main walls of the panel (1) and to define inner cavities, one of which may be used to form a reinforced concrete inner column (5) and the others are designed to the cast of thermo and/or acoustical insulating mixes, the longitudinal edges of each panel (1) being shaped so as to form cylindrical concave and convex complementary surfaces so as to form female and male joint elements (6, 7) respectively, so as to allow to connect one panel to the adjacent one in aligned or slightly angled mutual position in each female joint member a groove (8) being provided to receive a band or strip (9) of a packing material so as to obtain a seal connection between the panels (1); modified panels similar to the panels (1), but having only inner transverse walls (4); panels having the same outline as that of the panels (1) but made of reinforced concrete and to be used, as carrying posts in substitution of one or more panels (1) when the resistance of a wall (17) composed by said prefabricated modular panels has to be increased; and corner panels (20 and 21) to connect two or more walls (17) set at right angles.

IPC 1-7

E04C 1/10; **E04C 2/34**; **E04B 2/86**

IPC 8 full level

E04B 2/86 (2006.01); **E04C 2/34** (2006.01); **E04C 2/40** (2006.01)

CPC (source: EP)

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Cited by

US5161848A; CN109914681A; US5704676A; GB2145446A; EP1132190A1; FR2806031A1; US2021324629A1; GB2239275A; GB2239275B; US5216863A; AT404273B; US11391044B2; US6070376A; EP2719844A1; FR2996870A1; US10151119B2; US9783991B2; US6435471B1; WO9001595A1; US9982444B2; US10450763B2; US11674322B2; US12037801B2; US10022825B2; US10280636B2; US10731333B2; US11053676B2; US11499308B2; US9790681B2; US9879436B2; US10662661B2; US11512484B2; US6694692B2; US11512483B2; US11761220B2; US9784005B2; US11180915B2; US11821204B2

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