

Title (en)
CONCRETE PANEL CONSTRUCTION SYSTEM

Title (de)
KONSTRUKTIONSSYSTEM AUS BETONPANEELN

Title (fr)
SYSTEME DE CONSTRUCTION DE PANNEAUX EN BETON

Publication
EP 1185748 B1 20090304 (EN)

Application
EP 00938402 A 20000609

Priority
• CA 0000697 W 20000609
• CA 2274287 A 19990609

Abstract (en)
[origin: WO0077317A1] A concrete building panel has a slab and a plurality of ribs and beams. A series of horizontal holes in the end ribs are spaced at a selected constant spacing such that adjacent panels may be fastened together through them. In one type of panel, the slab is separated from the ribs to provide an air gap. Connections between holes in two adjacent concrete wall panels are made by a hollow conduit having an abutment at either end to engage the concrete wall panels. Other connections between adjacent panels involve a stitch with legs which extend through holes in the beams. Other connections involve a space made by vertical channels of horizontally adjacent panels. A plate fitted into the space aligns the adjacent panels and may extend upwards to align upper panels. Load bearing horizontal holes through the ribs are reinforced with reinforcing bar in the concrete arranged in generally triangular shapes. The concrete panels are formed in a form with sub-forms aligned by rods which create horizontal holes of the desired size and placement when removed.

IPC 8 full level
E04C 2/04 (2006.01); **E04B 1/76** (2006.01)

CPC (source: EP)
E04B 5/023 (2013.01); **E04B 5/04** (2013.01); **E04C 2/044** (2013.01); **E04B 2001/7679** (2013.01)

Cited by
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WO 0077317 A1 20001221; AT E424490 T1 20090315; AU 5381400 A 20010102; DE 60041698 D1 20090416; EP 1185748 A1 20020313; EP 1185748 B1 20090304

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