Title (en)
PANEL-SHAPED WALL ELEMENT

Publication
EP 0180950 B1 19900523 (DE)

Application
EP 85113996 A 19851104

Priority
DE 3440297 A 19841105

Abstract (en)
[origin: EP0180950A2] 1. Panel-shaped wall element for buildings to be erected according to the modular building block principle utilising at least one right-angled steel border (2, 3) carrying a wall panel (1), wherein the wall panel (1), formed in the form of a sandwich, is reinforced on its vertical longitudinal sides (22) with wooden planks (14) and has a core layer (6) of a heat-insulating material carrying on its two faces a respective covering layer (7, 8), the covering layers overlapping the planks and serving to form the edging of a circumferentially surrounding frame, and connecting means (4, 5) are provided for connecting the frame and the wall panel, characterised in that the core layer (6) consists of a hard foamed plastics material, the covering layers (7 and 8) are made of sheet steel, the covering layers (7, 8) are bonded to the core layer (6) in a shear-resistant manner, the border consists of two equally-sized, flexurally rigid frames (2 and 3) of U-section steel which are arranged with their backs (16) turned towards each other and which bear with the backs (16) against the wall panel (1), and threaded bolts (4) carrying nuts (20) serve as connecting means.

IPC 1-7
E04C 2/26; E04C 2/38

IPC 8 full level
E04C 2/26 (2006.01); **E04C 2/292** (2006.01); **E04C 2/38** (2006.01)

CPC (source: EP)
E04C 2/292 (2013.01); **E04C 2/384** (2013.01)

Cited by
EP0279278A3; AU596683B2; US5970672A; CN105888101A; EP3974595A1; WO2018115834A1; WO9827289A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0180950 A2 19860514; **EP 0180950 A3 19870930**; **EP 0180950 B1 19900523**; AT E53093 T1 19900615; DE 3440297 A1 19860522; DE 3440297 C2 19891019; DE 3577898 D1 19900628

DOCDB simple family (application)
EP 85113996 A 19851104; AT 85113996 T 19851104; DE 3440297 A 19841105; DE 3577898 T 19851104