

Title (en)

BUILDING, ESPECIALLY A LOW ENERGY BUILDING

Title (de)

GEBÄUDE, INSBESONDERE EIN NIEDRIGENERGIE-GEBÄUDE

Title (fr)

BATIMENT, NOTAMMENT BATIMENT A CONSOMMATION D'ENERGIE REDUITE

Publication

**EP 1080278 B1 20060412 (DE)**

Application

**EP 99970141 A 19990913**

Priority

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Abstract (en)

[origin: WO0020698A1] The invention relates to a building construction, especially for a low energy building. The key structural elements are sheer-resistantly interconnected steel pan panels for constructing walls and roofs and sheer-resistantly interconnected steel trapezoidal profile panels for constructing strip foundations, basement walls, floor and ceiling panels. The aim of the invention is to produce a building construction with large depths and large spans by means of a composite construction. To this end, the following measures are taken: (b) the inner and outer chord of the steel pan panels (7) and the inner (37) and outer chords (42) of the interconnected steel trapezoidal profile panels (2) are each provided with a sheer-resistantly connected batten (44, 45) in the direction of the chord. The fronts of the steel pan panels, which are sheer-resistantly fixed in a U-shaped holding element (50), are cast or screwed in with a nonpositive fit. The ceiling panels (9) are mounted on the battens that are sheer-resistantly connected to the inner chords and are sheer-resistantly connected with transverse laths. Finally, the openings for the doors and windows have heads for which shearing wall support structures are formed from steel pan panels.

IPC 8 full level

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