

Title (en)

Wall, floor or roof element in panel form for buildings

Title (de)

Wand-, Decken- oder Dachelement für Gebäude in Tafelbauart

Title (fr)

Élément de paroi, plafond ou toit en forme de panneau pour bâtiments

Publication

EP 0697487 B1 19971015 (DE)

Application

EP 94890126 A 19940727

Priority

- EP 94890126 A 19940727
- AT 79893 A 19930423

Abstract (en)

[origin: DE4413953A1] Known wall, ceiling or roof elements essentially comprise an infilled frame structure with a lightweight heat-insulating layer located between coverings on both sides. In order to achieve favourable sound-insulating properties and masses which are capable of storage, additional heavy shells are fitted. These novel elements are intended to permit a high load-bearing capacity and, between the coverings, the combination of insulating materials with different properties and are intended to be versatile. The planar and parallel hip surfaces (13) of a folded-plate structure (1) comprising wooden boards or folded-plate mouldings made up of derived timber products have a covering (4, 5) adhesively bonded to them on one or both sides and form a load-bearing structure which permits large free bracing lengths. The hollow or empty spaces may be filled with heat-insulating materials (6), loose-fill materials, and lightweight or foamed concretes with a bulk-porosity structure (7) in order to achieve corresponding structural properties and to be provided with additional inner shells (10, 11) and/or outer shells (12). These elements may be used as interior and exterior walls, partition walls, intermediate floors, a ventilated roof and, with corresponding outer shell and heat insulation, as a non-ventilated roof. <IMAGE>

IPC 1-7

E04C 2/34

IPC 8 full level

E04C 2/34 (2006.01)

CPC (source: EP)

E04B 5/02 (2013.01); **E04B 5/026** (2013.01); **E04B 5/04** (2013.01); **E04C 2/3405** (2013.01); **E04C 2002/345** (2013.01)

Cited by

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