

Title (en)

Method of constructing a building, such building, and wall element for use therein

Title (de)

Verfahren zum Erstellen eines Gebäudes, Gebäude, und Wandelement hierfür

Title (fr)

Procédé de construction d'un bâtiment, ce bâtiment, et élément de mur pour ceux-ci

Publication

**EP 1536077 B1 20081008 (EN)**

Application

**EP 04105914 A 20041119**

Priority

- EP 04105914 A 20041119
- EP 03104329 A 20031121

Abstract (en)

[origin: EP1536077A1] The invention relates to a method of constructing a building, comprising the step of providing a skeleton for a building wall of the building. The skeleton includes at least upright building elements such as columns (1) or dividing walls. At least one lightweight, heat insulating and fire retarding wall element (2) is placed between each adjacent pair of said upright building elements. The upright building elements are covered to provide substantially closed wall surfaces. The wall surfaces are covered with a covering layer having properties so as to provide fire-resistance to the complete wall. The covering layer (8) on the inside wall surface may include a base layer (11) of modified resin mortar, and a top layer (12) of plaster mortar. The covering layer (7) on the outside wall surface may include a base layer (9) of modified resin mortar and a top layer (10) of mineral mortar. Lightweight, heat insulating floor elements (18) are placed and interconnected, and supported if necessary, and thereafter structural fill-material, such as concrete (22) is poured onto the floor elements to form a floor. The invention also includes a building, and wall and floor elements. <IMAGE>

IPC 8 full level

**E04B 2/56** (2006.01); **E04B 1/16** (2006.01); **E04B 1/19** (2006.01); **E04B 5/02** (2006.01); **E04C 2/20** (2006.01); **E04B 1/35** (2006.01)

CPC (source: EP)

**E04B 1/161** (2013.01); **E04B 1/165** (2013.01); **E04B 1/19** (2013.01); **E04B 5/04** (2013.01); **E04C 2/205** (2013.01); **E04B 1/35** (2013.01)

Cited by

ITPG20090007A1; CN102817426A; CN113818592A; GR20050100320A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK YU

DOCDB simple family (publication)

**EP 1536077 A1 20050601**; **EP 1536077 B1 20081008**; AT E410565 T1 20081015; CY 1108683 T1 20140409; DE 602004016937 D1 20081120; DK 1536077 T3 20090202; ES 2315617 T3 20090401; HR P20080681 T3 20090228; PL 1536077 T3 20090529; PT 1536077 E 20090109; RS 51248 B 20101231; SI 1536077 T1 20090228

DOCDB simple family (application)

**EP 04105914 A 20041119**; AT 04105914 T 20041119; CY 081101468 T 20081218; DE 602004016937 T 20041119; DK 04105914 T 20041119; ES 04105914 T 20041119; HR P20080681 T 20081229; PL 04105914 T 20041119; PT 04105914 T 20041119; RS P20080616 A 20041119; SI 200430984 T 20041119