

Title (en)
PERIPHERAL LOAD-BEARING WALL FOR LOW-ENERGY BUILDINGS

Title (de)
LASTTRAGENDE ÄUSSERE WAND FÜR ENERGIEARME GEBÄUDE

Title (fr)
MUR PORTEUR PÉRIPHÉRIQUE POUR IMMEUBLES À BAS PROFIL ÉNERGÉTIQUE

Publication
EP 2358948 A1 20110824 (EN)

Application
EP 09805671 A 20091110

Priority
• CZ 2009000136 W 20091110
• CZ 200820604 U 20081202

Abstract (en)
[origin: WO2010063243A1] The peripheral load-bearing wall (1) of the low-energy building consists of the frame (14) from vertical thin-walled sheet "C" profiles (2) and horizontal thin-walled galvanized sheet "U" profiles (3). In these profiles at least one insulation layer is arranged, and also of the moisture stop and coverage layers. The inner coverage layer consists of two layers of plasterboard (4, 5) attached to the frame (14), behind which there is a moisture stop (6). The insulation layer consists of mineral felt (7) with the thickness of at least 150 mm. The external layer consists of the load-bearing plaster-fibre or wood-fibre boards (8), to which the contact thermal insulation system (9) is attached, which includes the boards from mineral felt (10) with the thickness from 100 to 240 mm, gluing and armouring material (11) and armouring mesh (12) for the application of the silicone plaster (13).

IPC 8 full level
E04B 2/58 (2006.01)

CPC (source: EP)
E04B 2/58 (2013.01)

Citation (search report)
See references of WO 2010063243A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010063243 A1 20100610; AT 13458 U1 20131215; CZ 19351 U1 20090223; DE 212009000162 U1 20120316; EP 2358948 A1 20110824; HU 4048 U 20120130; SK 50332011 U1 20111004; SK 6079 Y1 20120403

DOCDB simple family (application)
CZ 2009000136 W 20091110; AT 90072009 U 20091110; CZ 200820604 U 20081202; DE 212009000162 U 20091110; EP 09805671 A 20091110; HU 1100196 U 20091110; SK 50332011 U 20091110