

Title (en)

Thermal insulation system and building fitted with same

Title (de)

Wärmedämm-Verbundsystem sowie hiermit ausgestattetes Gebäude

Title (fr)

Système composite pour isolation thermique et bâtiment avec ledit système

Publication

EP 1408168 B1 20080625 (DE)

Application

EP 03023101 A 20031010

Priority

DE 10247457 A 20021011

Abstract (en)

[origin: EP1408168A1] Heat-insulating composite system for the lowermost, maximum 12 m, especially maximum 8 m high section of building facades, especially for buildings having a render height of up to 12 m, comprises a sub base (1a) having a separation strength of at least 30 kPa, especially at least 80 kPa, and a plug load of at least 0.20 kN/plug (load class of plug load-bearing capacity 0.20 kN), and insulating plates (4) made of bound laminar mineral wool having a thickness of 40 mm or more and a tensile strength perpendicular to the plate plane of at least 2 kPa, especially at least 3.5 kPa. The insulating plates are stuck with at least 40% of their surface on the sub base of the building facade as render supporting plates for fabric-reinforced exterior render (5) and are fixed on the sub base using plugs (11a) having an effective plate diameter of at least 90 mm and plug plates (11, 15) arranged under the exterior render and the reinforcing fabric (9). A maximum of 3, especially 2 p lugs per m² of insulating surface are provided in the facade area. Independent claims are also included for an alternative heat-insulating composite system, and for buildings equipped with the heat-insulating composite systems. Preferred Features: The insulating plates have a plate size of 0.3-0.7, preferably 0.4-0.6, especially 0.5 m².

IPC 8 full level

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CPC (source: EP)

E04B 1/762 (2013.01); **E04B 1/7633** (2013.01); **E04F 13/045** (2013.01)

Cited by

DE102010061539A1; EP2180104A1; EP3216933A1; WO2010046074A1; EA038434B1; CN101967861A; CN104302851A; EP2189585A1; ITMO20080300A1; EP3239430A1; DE102004048584A1; DE102004048584B4; CN101864815A; CN101906828A; CN101914960A; DE102007018774A1; US10344484B2; US2009277119A1; EP1840286A1; EP2525016A1; US8307598B2; FR2975417A1; EA014963B1; WO2007110244A1; WO2013156466A1; EP2347059B1; EP2665876B1

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