

Title (en)
Facade insulation system

Title (de)
Fassadenisolierungssystem

Title (fr)
Système d'isolation de façades

Publication
EP 2180104 A1 20100428 (EN)

Application
EP 08253406 A 20081021

Priority
EP 08253406 A 20081021

Abstract (en)
The present invention provides an insulated building wall comprising an external thermal insulation composite system (ETICS) and a building wall, wherein the ETICS is affixed to the building wall, the ETICS comprising: (i) an insulation sub-system, said insulation sub-system being either (a) an insulation sub-system comprising at least a first insulating plate which contains from 20 to 90 wt % aerogel and at least a second insulating plate which contains mineral wool, or (b) an insulation sub-system comprising at least one composite insulating plate containing mineral wool and from 20 to 90 wt % aerogel, and (ii) at least one mechanical fastener for fastening the at least one insulating plate to the building wall, and (iii) an outer layer. A method of providing an external thermal insulation composite system (ETICS) affixed to a building wall and a use of aerogel in an external thermal insulation composite system (ETICS) are also provided.

IPC 8 full level
E04B 1/76 (2006.01)

CPC (source: EP)
E04B 1/762 (2013.01); **E04B 1/7629** (2013.01); **E04B 2001/7683** (2013.01)

Citation (applicant)
• EP 1111113 A2 20010627 - ROCKWOOL INT [DK], et al
• DE 10211331 A1 20031002 - STO AG [DE]
• EP 1408168 B1 20080625 - SAINT GOBAIN ISOVER G & H AG [DE]
• WO 9813642 A1 19980402 - ROCKWOOL MINERALWOLLE [DE]
• WO 2007086819 A2 20070802 - ASPEN AEROGELS INC [US], et al
• US 2002094426 A1 20020718 - STEPANIAN CHRISTOPHER J [US], et al
• US 6485805 B1 20021126 - SMITH DOUGLAS MICHAEL [US], et al
• US 6479416 B1 20021112 - FRANK DIERK [DE], et al
• WO 2006065904 A1 20060622 - CABOT CORP [US], et al
• WO 9832709 A1 19980730 - HOECHST RES & TECH GMBH & CO [DE], et al
• US 2007004306 A1 20070104 - LEESER DANIEL L [US], et al

Citation (search report)
• [Y] WO 2008110818 A1 20080918 - PROCTOR GROUP LTD A [GB], et al
• [Y] DE 4441567 A1 19960530 - HOECHST AG [DE]
• [A] WO 2006002440 A2 20060105 - ASPEN AEROGELS INC [US], et al
• [DA] EP 1408168 A1 20040414 - SAINT GOBAIN ISOVER G & H AG [DE]

Cited by
RU2704188C2; ES2398119A1; EP2525016A1; EP3091137A1; EP2597072A3; CN111042356A; CN104302851A; EP3366465A1; WO2012000585A1; WO2014102424A1; WO2013156466A1; EP2277691A1; CN103403273A; EP3150772A1; CN108699835A; EA036877B1; EP3919700A1; WO2012104067A1; WO2017055478A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2180104 A1 20100428; EP 2347059 A1 20110727; EP 2347059 B1 20170510; EP 3216933 A1 20170913; EP 3216933 B1 20240320; EP 3216933 C0 20240320; PL 2347059 T3 20171031; PL 3216933 T3 20240513; WO 2010046074 A1 20100429

DOCDB simple family (application)
EP 08253406 A 20081021; EP 09768324 A 20091020; EP 17160951 A 20091020; EP 2009007495 W 20091020; PL 09768324 T 20091020; PL 17160951 T 20091020