

Title (en)
SOLAR WALL ELEMENT

Title (de)
SOLARES WANDELEMENT

Title (fr)
ÉLÉMENT DE PAROI SOLAIRE

Publication
EP 2361363 A2 20110831 (DE)

Application
EP 09733993 A 20090424

Priority
• EP 2009003013 W 20090424
• DE 102008020621 A 20080424

Abstract (en)
[origin: WO2009130041A2] The invention relates to a solar wall element (1) for generating heat from solar radiation energy (2), particularly for use as a component of an external building envelope. Said solar wall element (1) comprises a solid (3) and/or a hollow member made of at least partially transparent or at least light-permeable and/or light-conducting materials. According to the invention, the materials have heat insulating properties as a result of the material properties and/or the structure thereof. The invention further relates to a building comprising at least one such solar wall element. Said wall element (1) is fully or partly integrated into a building envelope that can store heat, but in such a way that at least one side of the solid (3) is arranged on the external surface (8) such that said side is exposed to sunlight (2).

IPC 8 full level
F24J 2/04 (2006.01); **E04C 2/52** (2006.01); **F24J 2/00** (2006.01); **F24J 2/34** (2006.01); **F24J 2/40** (2006.01); **F24J 2/48** (2006.01); **F24S 23/70** (2018.01)

CPC (source: EP US)
E04C 2/525 (2013.01 - EP); **E04C 2/54** (2013.01 - EP US); **F24S 20/61** (2018.04 - EP); **F24S 20/66** (2018.04 - EP US); **F24S 23/70** (2018.04 - EP); **F24S 50/80** (2018.04 - EP); **F24S 60/00** (2018.04 - EP US); **F24S 70/20** (2018.04 - EP US); **F24S 2023/83** (2018.04 - EP); **F24S 2023/86** (2018.04 - EP); **F24S 2023/88** (2018.04 - EP US); **Y02B 10/20** (2013.01 - EP); **Y02E 10/40** (2013.01 - EP)

Citation (search report)
See references of WO 2009130041A2

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 TR

DOCDB simple family (publication)
DE 102008020621 A1 20091029; EP 2361363 A2 20110831; WO 2009130041 A2 20091029; WO 2009130041 A3 20110707

DOCDB simple family (application)
DE 102008020621 A 20080424; EP 09733993 A 20090424; EP 2009003013 W 20090424