

Title (en)

BUILDING INCORPORATING A THERMAL REGULATION DEVICE, DEVICE AND ASSOCIATED REGULATION PROCESSES

Title (de)

GEBÄUDE MIT EINER WÄRMEREGELUNGSVORRICHTUNG, VORRICHTUNG UND ZUGEHÖRIGE REGELUNGSVERFAHREN

Title (fr)

BATIMENT INTEGRANT UN DISPOSITIF DE REGULATION THERMIQUE, DISPOSITIF ET PROCEDE DE REGULATION ASSOCIES

Publication

EP 3049734 A1 20160803 (FR)

Application

EP 14772321 A 20140923

Priority

- FR 1359334 A 20130927
- EP 2014070192 W 20140923

Abstract (en)

[origin: WO2015044111A1] The building comprises a surface (F1) having an orientation suitable for receiving solar radiation and covered with an external layer (5) of insulating coating, said thermal regulation device comprising • a first heat transfer fluid circulation duct (9) incorporated in the insulating coating layer (5) of the surface having a suitable orientation for receiving solar radiation and designed so that the fluid circulating inside the first duct (9) accumulates the heat produced by said solar radiation, • a second fluid circulation duct (10) coupled to the first circulation duct (9) and arranged so as to restore the heat previously accumulated by the fluid to the interior of the building, when this fluid circulates through the second duct (10); • a pump to circulate the fluid between the first and second ducts.

IPC 8 full level

F24J 2/04 (2006.01); **F24S 10/75** (2018.01)

CPC (source: EP US)

F24S 20/66 (2018.04 - EP US); **F24S 60/30** (2018.04 - EP US); **F24S 90/00** (2018.04 - EP); **Y02B 10/20** (2013.01 - EP); **Y02E 10/40** (2013.01 - EP)

Citation (search report)

See references of WO 2015044111A1

Citation (examination)

DE 4423137 A1 19960111 - LOBA BAUTENSCHUTZ GMBH & CO KG [DE], et al

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015044111 A1 20150402; EP 3049734 A1 20160803; FR 3011319 A1 20150403; FR 3011319 B1 20171222

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EP 2014070192 W 20140923; EP 14772321 A 20140923; FR 1359334 A 20130927