

Title (en)

BUILDING ENVELOPE AND METHOD FOR ADJUSTING THE TEMPERATURE IN A BUILDING

Title (de)

GEBÄUDEHÜLLE UND VERFAHREN ZUR TEMPERATUREINSTELLUNG IN EINEM GEBÄUDE

Title (fr)

ENVELOPPE DE BÂTIMENT ET PROCÉDÉ DE RÉGULATION DE LA TEMPÉRATURE DANS UN BÂTIMENT

Publication

EP 2917425 A1 20150916 (DE)

Application

EP 13791962 A 20131107

Priority

- EP 12191803 A 20121108
- EP 2013073237 W 20131107
- EP 13791962 A 20131107

Abstract (en)

[origin: WO2014072384A1] Disclosed is a building envelope, in particular a building wall, floor, or roof, comprising at least two spaced-apart shells that enclose an intermediate space therebetween, said intermediate space being essentially empty except for weight-bearing and/or construction engineering elements or being filled in at least some sections with porous, open-cell material and being sealed from the exterior and interior of the building. The building envelope further comprises fluid supplying and discharging means for supplying and discharging a fluid in a controlled manner into and out of the intermediate space, said fluid influencing heat transfer through the building envelope or causing heat to be conveyed into and out of the building envelope. The intermediate space is subdivided into building envelope sections with which separately controllable fluid supplying and discharging means are associated in order to selectively control heat transfer for each section. The building envelope sections are separated from each other in a fluid-tight manner and/or the separately controllable fluid supplying and discharging means are designed to selectively control heat conveyance for each section.

IPC 8 full level

E04B 1/74 (2006.01)

CPC (source: EP US)

E04B 1/74 (2013.01 - EP US); **E04F 13/074** (2013.01 - US); **F24D 3/14** (2013.01 - EP US); **F24D 3/147** (2013.01 - EP US); **F24D 19/1009** (2013.01 - EP US); **F24F 5/0003** (2013.01 - US); **F24F 5/0089** (2013.01 - US); **F24F 11/30** (2017.12 - EP US); **F24S 10/95** (2018.04 - EP US); **F24S 20/66** (2018.04 - EP US); **F28D 15/02** (2013.01 - EP US); **E04B 2/86** (2013.01 - EP US); **E04F 2290/023** (2013.01 - US); **F24D 2220/006** (2013.01 - EP US); **F24D 2220/10** (2013.01 - EP US); **F24F 2110/10** (2017.12 - EP US); **F24F 2110/12** (2017.12 - EP US); **Y02B 10/20** (2013.01 - US); **Y02B 30/00** (2013.01 - EP US); **Y02E 10/44** (2013.01 - EP US)

Citation (search report)

See references of WO 2014072384A1

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 2014072384 A1 20140515; EP 2917425 A1 20150916; US 2015285522 A1 20151008; US 2022235951 A1 20220728

DOCDB simple family (application)

EP 2013073237 W 20131107; EP 13791962 A 20131107; US 201314441772 A 20131107; US 202217719805 A 20220413