

Title (en)
SUNROOF

Title (de)
SONNENDACH

Title (fr)
TOIT OUVRANT

Publication
EP 2078177 A2 20090715 (EN)

Application
EP 07826700 A 20071009

Priority
• IB 2007054116 W 20071009
• AR P060104453 A 20061010

Abstract (en)
[origin: WO2008044209A2] A sunroof, which is adapted to provide either home passive heating by solar accumulation or passive refrigeration due to its particular structure that additionally provides insulation conditions from the external environment. The sunroof allows incorporating heating and refrigeration during construction of upper-middle class homes for users looking for biosustainable solutions in the long term at present reasonable prices and included in moderately innovative products. The sunroof is comprised by structural sheets (preferable metallic) over which substantially parallel first and second transparent laminar elements are positioned, defining between said sheets and the first laminar elements a first chamber, and forming between first and second laminar elements a second watertight chamber; the first chamber is capable of being filled with water as the external and upper surface of the second transparent laminar element, which is filled with water or opaque and/or reflective liquids. Preferably, a stationary reflective cover is positioned over said laminar elements.

IPC 8 full level
F24J 2/04 (2006.01); **F24J 2/46** (2006.01)

CPC (source: EP US)
F24S 10/20 (2018.04 - EP US); **F24S 20/67** (2018.04 - EP US); **F24S 50/80** (2018.04 - EP US); **F24S 80/20** (2018.04 - EP US); **Y02A 30/60** (2017.12 - EP US); **Y02B 10/20** (2013.01 - EP US); **Y02E 10/44** (2013.01 - EP US)

Citation (search report)
See references of WO 2008044209A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008044209 A2 20080417; **WO 2008044209 A3 20080612**; AR 056577 A1 20071010; BR PI0715308 A2 20130618; EP 2078177 A2 20090715; MX 2009003773 A 20090921; US 2010065041 A1 20100318

DOCDB simple family (application)
IB 2007054116 W 20071009; AR P060104453 A 20061010; BR PI0715308 A 20071009; EP 07826700 A 20071009; MX 2009003773 A 20071009; US 44475507 A 20071009