

Title (en)

DEVICE FOR HEATING BUILDINGS AND DOMESTIC HOT WATER

Title (de)

VORRICHTUNG ZUR HEIZUNG VON GEBÄUDEN UND HEISSEM BRAUCHWASSER

Title (fr)

DISPOSITIF PERMETTANT DE CHAUFFER DES BÂTIMENTS ET DE L'EAU CHAUDE DOMESTIQUE

Publication

**EP 2032906 A2 20090311 (EN)**

Application

**EP 07721832 A 20070530**

Priority

- CZ 2007000043 W 20070530
- CZ 200617796 U 20060601

Abstract (en)

[origin: WO2007137529A2] A device for heating buildings and domestic hot water, consisting of brine/water heat pump (5) with ground collector unit (4) and solar collector unit (1) with forced ventilation of the heat-transfer medium, connected to energy storage cell (2) by means of exchanger (6), with secondary energy exchanger (3) inset in the discharge - secondary circuit of energy storage cell (2), with the secondary exchanger's inlet side connected to the outlet pipe of ground collector unit (4) and its outlet pipe connected to the inlet of the primary side of heat pump (5) and the cooled outlet of the primary side of heat pump (5) connected to the inlet of ground collector unit (4). Solar collector unit (1) fitted with a temperature sensor and energy storage cell (2) fitted with another temperature sensor, the sensors being connected to the circulation pump of the solar circuit by means of a control element.

IPC 8 full level

**F24D 11/02** (2006.01); **F24S 20/00** (2018.01); **F24T 10/00** (2018.01); **F24V 50/00** (2018.01)

CPC (source: EP US)

**F24D 11/0221** (2013.01 - EP US); **F24T 10/30** (2018.04 - EP US); **F28D 7/106** (2013.01 - EP); **Y02B 10/20** (2013.01 - EP); **Y02B 10/40** (2013.01 - EP); **Y02B 10/70** (2013.01 - EP); **Y02B 30/12** (2013.01 - EP); **Y02E 10/10** (2013.01 - EP)

Citation (search report)

See references of WO 2007137529A2

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2007137529 A2 20071206**; **WO 2007137529 A3 20080117**; CZ 17018 U1 20061127; EP 2032906 A2 20090311

DOCDB simple family (application)

**CZ 2007000043 W 20070530**; CZ 200617796 U 20060601; EP 07721832 A 20070530