

Title (en)
Multi-energy and multi-source thermodynamic device with hot water tank

Title (de)
Thermodynamische Vorrichtung mit Multi-Source-Multienergie-Heisswassertank

Title (fr)
Dispositif thermodynamique avec ballon d'eau chaude multi-énergies multi-sources

Publication
EP 2196743 A3 20160518 (FR)

Application
EP 09015361 A 20091211

Priority
FR 0806981 A 20081212

Abstract (en)
[origin: EP2196743A2] The device has a mixed tank (1) comprising a sanitary hot water tank (2) equipped with a heat exchanger (8). An uncoupling tank (3) contains a coolant, and is connected to a heat pump (5) e.g. split heat pump, by a hydraulic circuit (18). The heat exchanger of the hot water tank and the uncoupling tank exchange heat with the condenser, in a heating mode, and with the evaporator, in a cooling mode, of the heat pump through a three-way control valve (29). Calorific energy storage blocks made of graphite/paraffin composite materials, are placed in the hot water tank.

IPC 8 full level
F24H 4/04 (2006.01)

CPC (source: EP)
F24H 4/04 (2013.01); **F24D 2200/08** (2013.01)

Citation (search report)

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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 SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2196743 A2 20100616; EP 2196743 A3 20160518; FR 2939874 A1 20100618; FR 2939874 B1 20101231

DOCDB simple family (application)
EP 09015361 A 20091211; FR 0806981 A 20081212