

Title (en)

HOT-WATER STORAGE TYPE HOT-WATER SUPPLY DEVICE

Title (de)

WARMWASSERSPEICHERARTIGE WARMWASSERVERSORGUNGSVORRICHTUNG

Title (fr)

DISPOSITIF D'ALIMENTATION EN EAU CHAUDE À STOCKAGE DE L'EAU CHAUDE

Publication

**EP 2249097 A1 20101110 (EN)**

Application

**EP 09713004 A 20090218**

Priority

- JP 2009052797 W 20090218
- JP 2008041435 A 20080222

Abstract (en)

There are provided a hot water tank (4) having a first end from which high temperature water boiled by a heat pump (2) is fed and a second end from which low temperature water is fed, the tank in which hot water inside is stored in layers of hot temperature water, medium temperature water whose temperature is lower than the high temperature water but is higher than low temperature water, and the low temperature water, in the order named; hot water supply means (42, 48, 50) that discharges the hot water in the hot water tank (4) from the first end of the hot water tank (4) ; hot water supply amount-detecting means (62, 66) that detects a supply amount of hot water that is supplied by the hot water supply means (42, 48, 50); and a control unit that withholds execution of a hot water boiling operation using the heat pump when the hot water supply amount (V) detected by the hot water supply amount-detecting means (62, 66) is equal to or more than prescribed hot water supply amount (V S ).

IPC 8 full level

**F24H 1/00** (2006.01); **F24H 1/18** (2006.01)

CPC (source: EP US)

**F24D 17/02** (2013.01 - EP); **F24D 19/1054** (2013.01 - EP US); **F24D 2200/12** (2013.01 - EP); **F24D 2220/06** (2013.01 - EP); **F24D 2220/08** (2013.01 - EP); **F24D 2220/209** (2013.01 - EP)

Citation (search report)

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Cited by

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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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2249097 A1 20101110**; AU 2009216245 A1 20090827; AU 2009216245 B2 20120726; CN 101952666 A 20110119; JP 2009198111 A 20090903; JP 5138414 B2 20130206; WO 2009104642 A1 20090827

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