

Title (en)

Heat pump type hot water supply apparatus

Title (de)

Wärmepumpenähnliche Warmwasserversorgungsvorrichtung

Title (fr)

Appareil d'alimentation en eau chaude de type pompe à chaleur

Publication

EP 2009360 A3 20100804 (EN)

Application

EP 08158705 A 20080620

Priority

JP 2007166034 A 20070625

Abstract (en)

[origin: EP2009360A2] This heat pump type hot water supply apparatus has a hot water storage tank (22) capable of supplying stored hot water to outside of the tank (22), and a heat pump unit (10) for heating hot water in the hot water storage tank (22) to a set-up temperature (31a) set up beforehand. The hot water supply apparatus newly calculates a set-up temperature so that the energy of hot water in the hot water storage tank (22) becomes equal to a unit period consumption energy calculated based on the energy of hot water supplied to outside of the tank (22) for a past predetermined term. Furthermore, the hot water supply apparatus has the display (46) and speaker (47) for outputting newly calculated set-up temperature based on difference between newly calculated temperature and current set-up temperature (31a).

IPC 8 full level

F24D 19/10 (2006.01)

CPC (source: EP US)

F24D 19/1054 (2013.01 - EP US)

Citation (search report)

- [Y] DE 102005003455 A1 20051020 - DENSO CORP [JP]
- [Y] US 5465588 A 19951114 - MCCAILL DAVID I [US], et al
- [Y] US 2006190141 A1 20060824 - PATTERSON WADE C [US], et al
- [Y] US 2005022542 A1 20050203 - SAKAKIBARA HISAYOSHI [JP]
- [A] EP 1162419 A1 20011212 - DENSO CORP [JP], et al

Cited by

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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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2009360 A2 20081231; EP 2009360 A3 20100804; JP 2009002622 A 20090108

DOCDB simple family (application)

EP 08158705 A 20080620; JP 2007166034 A 20070625