

Title (en)
Heat pump hydronic heater

Title (de)
Hydronischer Wärmepumpenheizer

Title (fr)
Dispositif de chauffage hydronique à pompe thermique

Publication
EP 2626640 A3 20140319 (EN)

Application
EP 13153750 A 20130201

Priority
JP 2012023611 A 20120207

Abstract (en)
[origin: EP2626640A2] A heat pump hydronic heater of the present invention comprises a heat pump heat source 1, a water-refrigerant heat exchanger 4 which exchanges heat between circulating water and a refrigerant heated by the heat pump heat source 1, a circulation pump 6 which circulates the circulating water heated by the water-refrigerant heat exchanger 4, a hot water tank 3 in which supply-hot water is retained, hot water supply heat exchanger 5 which exchanges heat between the circulating water and the supply-hot water, and control means, and the control means repeats, a plurality of times, stop of operation and restart of the operation of the heat pump heat source 1, thereby heating the supply-hot water. Therefore, even if the hot water tank 3 having an existing hot water supply heat exchanger is used, it is possible to sufficiently rise a temperature of supply-hot water in the hot water tank 3.

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Citation (search report)

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AL 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 RS SE SI SK SM TR

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