

Title (en)
HEAT PUMP HOT WATER SUPPLY SYSTEM

Title (de)
WÄRMEPUMPEN-HEISSWASSERVERSORGUNGSSYSTEM

Title (fr)
SYSTÈME D'ALIMENTATION EN EAU CHAUDE À POMPE À CHALEUR

Publication
EP 2034248 A1 20090311 (EN)

Application
EP 07744588 A 20070601

Priority
• JP 2007061200 W 20070601
• JP 2006154608 A 20060602

Abstract (en)
In a heat pump water heating system (1) including a refrigerant circuit (30) having a compressor (11a), a four-way valve (11b), a water heat exchanger (11c), an expansion valve (11d), and a heat source end heat exchanger (20a) being piping-connected in series, and a hot water storage tank (13) connected to a water circuit (12) of the water heat exchanger (11c) for supply and storage of hot water generated at the water heat exchanger (11c), at least the compressor (11a), the four-way valve (11b), and the water heat exchanger (11c) constituting the refrigerant circuit (30), and the hot water storage tank with water circuitry connected to the water heat exchanger (11c) are accommodated together in a single casing to constitute a main unit (10), and the heat source end heat exchanger (20a) is configured to separate from the main unit (10) by a piping connection.

IPC 8 full level
F24H 1/00 (2006.01)

CPC (source: EP)
F24D 17/02 (2013.01)

Citation (search report)
See references of WO 2007142144A1

Designated contracting state (EPC)
DE FR IT

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2034248 A1 20090311; JP WO2007142144 A1 20091022; WO 2007142144 A1 20071213

DOCDB simple family (application)
EP 07744588 A 20070601; JP 2007061200 W 20070601; JP 2008520540 A 20070601