

Title (en)
AIR CONDITIONING/HOT WATER SUPPLY SYSTEM AND CONTROL METHOD FOR AIR CONDITIONING/HOT WATER SUPPLY SYSTEM

Title (de)
KLIMAANLAGEN- UND HEISSWASSERAUSGABESYSTEM SOWIE STEUERVERFAHREN FÜR DAS KLIMAANLAGEN- UND HEISSWASSERAUSGABESYSTEM

Title (fr)
SYSTÈME DE CONDITIONNEMENT D'AIR/D'ALIMENTATION EN EAU CHAUDE ET PROCÉDÉ DE COMMANDE D'UN TEL SYSTÈME

Publication
EP 2679934 A4 20140730 (EN)

Application
EP 11859342 A 20110222

Priority
JP 2011053863 W 20110222

Abstract (en)
[origin: EP2679934A1] A control device (1a) calculates an air conditioning heat radiating amount, a hot-water supply heat absorbing amount, a target condensation temperature at an air conditioning refrigerant circuit (5), and a target evaporation temperature at a hot-water supply refrigerant circuit (6) in a case where a cooling operation by an air conditioning cycle and a hot-water supply operation by a hot-water supply cycle are simultaneously executed in order to provide an air conditioning and hot-water supply system which can preferably distribute a refrigerant in a cycle having a large heat amount to a heat exchanger for recovering exhaust heat, and a heat exchanger for exhaust heat in an exhaust heat recovery operation and a control method of the air conditioning and hot-water supply system. There is provided an air conditioning and hot-water supply system in which in a case where the air conditioning heat radiating amount is larger than the hot-water heat absorbing amount, the control device (1a) closes a hot-water supply refrigerant flow rate adjusting valve (49a) arranged at a hot-water supply refrigerant inlet (44a) of a hot-water supply side heat exchanger (44) and adjusts a valve opening degree of an air conditioning refrigerant flow rate adjusting valve (35c) arranged at a cooling time air conditioning refrigerant inlet (24a) of an air conditioning heat source side heat exchanger (24) based on a temperature of a vicinity of a cooling time air conditioning refrigerant outlet (24b).

IPC 8 full level
F25B 29/00 (2006.01); **F24F 5/00** (2006.01); **F25B 7/00** (2006.01); **F25B 13/00** (2006.01); **F25B 25/00** (2006.01)

CPC (source: EP)
F24F 5/0096 (2013.01); **F25B 7/00** (2013.01); **F25B 29/003** (2013.01); **F25B 13/00** (2013.01); **F25B 25/005** (2013.01); **F25B 2339/047** (2013.01)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2012114461A1

Cited by
WO2018149843A3

Designated contracting state (EPC)
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

DOCDB simple family (publication)
EP 2679934 A1 20140101; **EP 2679934 A4 20140730**; **EP 2679934 B1 20161214**; ES 2608179 T3 20170406; JP 5629367 B2 20141119; JP WO2012114461 A1 20140707; WO 2012114461 A1 20120830

DOCDB simple family (application)
EP 11859342 A 20110222; ES 11859342 T 20110222; JP 2011053863 W 20110222; JP 2013500757 A 20110222