

Title (en)
HEAT SOURCE SYSTEM, HEAT SOURCE MACHINE, AND CONTROL DEVICE

Title (de)
WÄRMEQUELLENSYSTEM, WÄRMEQUELLENMASCHINE UND STEUERUNGSVORRICHTUNG

Title (fr)
SYSTÈME DE SOURCE DE CHALEUR, MACHINE DE SOURCE DE CHALEUR ET DISPOSITIF DE COMMANDE

Publication
EP 4148343 A4 20240306 (EN)

Application
EP 19833973 A 20190418

Priority
• JP 2018129937 A 20180709
• JP 2019016629 W 20190418

Abstract (en)
[origin: EP4148343A1] A heat source system 1 of an embodiment includes an inlet-side pressure gauge 17 that is provided on an inlet side where water flows from a condensate return pipe into a water refrigerant heat-exchanger 9 and detects pressure of water flowing through the condensate return pipe on an upstream side of an inlet pump 10 for feeding water to the water refrigerant heat-exchanger 9, an outlet-side pressure gauge that is provided on an outlet side where water flows out from the water refrigerant heat-exchanger 9 to the water feed pipe 5 and detects pressure of water flowing through the water feed pipe 5, and a control device 16 for executing processing of controlling a bypass valve 2 provided in a bypass pipe 7 based on the difference between the pressure on the inlet side detected by the inlet-side pressure gauge 17 and the pressure on the outlet side detected by the outlet-side pressure gauge.

IPC 8 full level
F25B 1/00 (2006.01); **F24F 3/06** (2006.01); **F24F 5/00** (2006.01); **F24F 11/83** (2018.01); **F24F 11/84** (2018.01); **F25B 25/00** (2006.01); **F24F 140/12** (2018.01)

CPC (source: EP KR)
F24F 3/065 (2013.01 - EP); **F24F 5/00** (2013.01 - KR); **F24F 5/001** (2013.01 - EP); **F24F 11/83** (2018.01 - EP); **F24F 11/84** (2018.01 - EP KR); **F25B 1/00** (2013.01 - KR); **F25D 17/02** (2013.01 - KR); **F25D 29/00** (2013.01 - KR); **F24F 2140/12** (2018.01 - EP); **F25B 25/005** (2013.01 - EP); **F25B 2400/06** (2013.01 - EP); **F25D 2600/04** (2013.01 - KR)

Citation (search report)
• [I] JP 2008241326 A 20081009 - SHIN NIPPON AIR TECH CO LTD
• [I] JP 4829818 B2 20111207
• See also references of WO 2020012750A1

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 4148343 A1 20230315; EP 4148343 A4 20240306; JP 2023161037 A 20231102; JP WO2020012750 A1 20210715; KR 102519815 B1 20230410; KR 20210013126 A 20210203; WO 2020012750 A1 20200116

DOCDB simple family (application)
EP 19833973 A 20190418; JP 2019016629 W 20190418; JP 2020530001 A 20190418; JP 2023150054 A 20230915; KR 20207036627 A 20190418