

HEAT SOURCE SYSTEM, CONTROL METHOD THEREFOR, AND PROGRAM

THEREFOR

ABSTRACT

Provided is a heat source system for which the system COP
5 is improved without reducing an operating efficiency of the cold
source; also provided are a control method therefor and a
program therefor. This heat source system (N1) is one for which
pumps (P, P3) which transmit a heating medium to a cold source
(R) that cools the heating medium and/or to a heat exchanger
10 that exchanges heat between the cooled heating medium and a load
(1), the cold source (R), and a heat exchanger for the load (1),
are connected by pipes (r1, r2) through which the heating medium
flows. The heat source system has: load heat amount measurement
units (3, 4) that measure an amount of heat which the heating
15 medium exchanges with the load (1); a cold water return
temperature measurement unit (4) that measures the temperature
of the heating medium (R) that exchanges heat with the load (1)
and returns to the cold source; and a first control unit (2)
that lowers a temperature set value of the heating medium at
20 an outlet of the cold source (R) when the temperature of the
heating medium falls below the temperature set value thereof
and a difference with the temperature set value of the heating
medium at the outlet of the cold source (R) becomes less than
a predetermined value.