

Title (en)
FLUID CIRCULATION SYSTEM

Title (de)
FLUIDZIRKULATIONSSYSTEM

Title (fr)
SYSTÈME DE CIRCULATION DE FLUIDE

Publication
EP 3220061 A4 20180711 (EN)

Application
EP 14905864 A 20141110

Priority
JP 2014079733 W 20141110

Abstract (en)
[origin: EP3220061A1] A fluid circulation system with which situations in which inflowing high-temperature fluid causes damage to an indoor-heating device or an increase in room temperature that is not desired by a user can be reliably prevented is provided. A fluid circulation system includes: a heat accumulating circuit in which a fluid circulates between a fluid heater and a heat storage tank; an indoor-heating circuit in which the fluid circulates between the fluid heater and an indoor-heating installation; a valve for switching between the heat accumulating circuit and the indoor-heating circuit; an outflow temperature sensor for detecting a temperature of the fluid flowing out of the fluid heater; and a controller for controlling switching between the heat accumulating circuit and the indoor-heating circuit. The controller is configured to switch, when a request to switch from the heat accumulating circuit to the indoor-heating circuit is issued during a heat accumulating operation in which the heat accumulating circuit is operated, from the heat accumulating circuit to the indoor-heating circuit on condition that the temperature of the fluid flowing out of the fluid heater is lower than a reference value.

IPC 8 full level
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CPC (source: EP US)
F24D 19/1024 (2013.01 - EP US); **F24D 19/1072** (2013.01 - EP US); **F24D 3/08** (2013.01 - EP)

Citation (search report)

- [X] EP 2770398 A2 20140827 - MITSUBISHI ELECTRIC CORP [JP]
- [XA] EP 2620711 A2 20130731 - MITSUBISHI ELECTRIC CORP [JP]
- [A] EP 2103883 A1 20090923 - DAIKIN IND LTD [JP], et al
- [A] EP 2789933 A1 20141015 - MITSUBISHI ELECTRIC CORP [JP]
- See references of WO 2016075741A1

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)
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EP 14905864 A 20141110; JP 2014079733 W 20141110; JP 2016558460 A 20141110