

Title (en)
HEATING MEDIUM CIRCULATION SYSTEM

Title (de)
WÄRMEMEDIUMZIRKULATIONSSYSTEM

Title (fr)
SYSTÈME DE CIRCULATION DE MILIEU CHAUFFANT

Publication
EP 3608603 B1 20200902 (EN)

Application
EP 17904897 A 20170407

Priority
JP 2017014553 W 20170407

Abstract (en)
[origin: EP3608603A1] A heating medium circulation system (1) includes: a circulation pump (11) configured to circulate a heating medium through a circulation circuit passing through an indoor-heating terminal (12) and a heat pump device (100); a controller (10) configured to execute indoor-heating operation for supplying the heating medium heated by the heat pump device (100) to the indoor-heating terminal (12) and defrosting operation for causing frost adhering to an air heat exchanger (17) to melt, and a supply temperature sensor (31) configured to detect a supply temperature that is a temperature of the heating medium supplied to the indoor-heating terminal (12) from the heat pump device (100). The controller (10) deactivates the compressor (13) when the supply temperature exceeds a first deactivation temperature in the indoor-heating operation after a predetermined period of time elapses from a switching time point from the defrosting operation to the indoor-heating operation and continues operation of the compressor (13) even when the supply temperature exceeds the first deactivation temperature in the indoor-heating operation in a post-defrosting period that is a period until the predetermined period of time elapses from the switching time point.

IPC 8 full level
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CPC (source: EP US)
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Cited by
DE102021105836A1; WO2022189186A1

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