

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 4107454 A1 20221228 (EN)

Application
EP 21758012 A 20210217

Priority
• KR 20200019272 A 20200217
• KR 2021002003 W 20210217

Abstract (en)
[origin: US2021254880A1] An air conditioner is provided that may include a defrosting bypass valve disposed at a defrosting bypass pipe having a first end connected to a middle point of the outdoor heat exchanger and a second end connected to an inlet pipe of a compressor, and a processor configured to open and close the defrosting bypass valve according to a temperature of a refrigerant in an outdoor heat exchanger. At a beginning of a defrosting operation, the processor may open the defrosting bypass valve to bypass a portion of the refrigerant in the outdoor heat exchanger to the inlet pipe of the compressor, and if the temperature of the refrigerant in the outdoor heat exchanger exceeds a predetermined temperature, the processor may close the defrosting bypass valve, thereby achieving defrosting performance at an early stage of the defrosting operation.

IPC 8 full level
F25B 47/02 (2006.01); **F25B 13/00** (2006.01); **F25B 49/02** (2006.01)

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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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KH MA MD TN

DOCDB simple family (publication)
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