

Title (en)
REFRIGERATION CYCLE EQUIPMENT

Title (de)
KÜHLZYKLUSAUSRÜSTUNG

Title (fr)
ÉQUIPEMENT DE CYCLE DE RÉFRIGÉRATION

Publication
EP 3073211 B1 20200226 (EN)

Application
EP 16161482 A 20160321

Priority
JP 2015062023 A 20150325

Abstract (en)
[origin: EP3073211A1] A refrigeration cycle equipment includes: a compressor (1); a four-way valve (2); an outdoor heat exchanger (3); an expansion valve (4); an indoor heat exchanger (5); a refrigerant pipe line which sequentially connects a compressor (1), a four-way valve (2), an outdoor heat exchanger (3), an expansion valve (4), and an indoor heat exchanger (5); a bypass pipe line (8) connecting a refrigerant pipe line between the outdoor heat exchanger (3) and the expansion valve (4) and a refrigerant pipe line between a suction port of the compressor (1) and the four-way valve (2); an open/close valve (9) provided for the bypass pipe line (8); an outdoor temperature sensor (17) provided for the outdoor heat exchanger (3) to detect an outdoor temperature; and a control unit (20) controlling the compressor (1), the four-way valve (2), the expansion valve (4), and the open/close valve mechanism (9). The control unit (20) controls the open/close valve mechanism (9) of the bypass pipe line (8) to be opened at a time when the outdoor temperature is detected to be more than a predetermined temperature in a defrosting operation of the refrigeration cycle equipment.

IPC 8 full level
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CPC (source: EP)
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Cited by
CN113124513A; CN108001164A; CN109269017A; CN111566420A; CN107702293A; CN109210810A; US11397033B2

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