

Title (en)  
Air conditioning system

Title (de)  
Klimaanlage

Title (fr)  
Système de conditionnement d'air

Publication  
**EP 1801520 B1 20091111 (EN)**

Application  
**EP 06256498 A 20061221**

Priority  
JP 2005371785 A 20051226

Abstract (en)  
[origin: EP1801520A1] An air conditioner (1) in which a cooling cycle is formed by arranging an outdoor unit (2) provided with an accumulator (7), a compressor (8), a four-way valve (6), an outdoor heat exchanger (9) and an outdoor expansion valve (10), and an indoor unit (3) provided with a first indoor heat exchanger (15), a check valve (16), an indoor expansion valve (17), a second indoor heat exchanger (18) and an indoor electromagnetic valve (20) formed in a piping (19) bypassing the first indoor heat exchanger (15) and the check valve (16), in a piping circulating a refrigerant, the air conditioner is provided with a control means for lowering a temperature of the refrigerant on a discharge side of the compressor (8) at a set temperature on the basis of a signal generated by closing of the indoor electromagnetic valve (20), at a time of a reheat dehumidification operation. Further, the air conditioner is provided with a control means for controlling an opening degree of the indoor expansion valve (17) at a time of the reheat dehumidification operation, and controlling an opening degree of the outdoor expansion valve (10), at a time of a cooling operation.

IPC 8 full level  
**F24F 3/153** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP US)  
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Cited by  
US2017314813A1; GB2537105A; EP2881685A4; US10345003B2; EP3879209A1; NL2025130B1; US9933170B2; US9718612B2; WO2016025498A3

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