

Title (en)
AIR CONDITIONER

Title (de)
KLIMAANLAGE

Title (fr)
CLIMATISEUR

Publication
EP 1431677 A1 20040623 (EN)

Application
EP 02768028 A 20020924

Priority
• JP 0209788 W 20020924
• JP 2001298725 A 20010928

Abstract (en)
The present invention has an object of suitably controlling both the room temperature and relative humidity during cooling operation of an air conditioner to improve the comfort of people in the room. To attain this object, a controller (80) of the air conditioner (10) is provided with a target value setting section (81) and a capacity control section (82). The target value setting section (81) sets a target evaporation temperature as a target control value during cooling operation. At the time, the target value setting section (81) selects the upper limit of the target evaporation temperature from among possible values according to the detected value of a relative humidity sensor (78). During cooling operation, the capacity control section (82) controls the capacity of a compressor (30) so that the detected value of an indoor heat exchanger temperature sensor (76) reaches the target evaporation temperature. <IMAGE>

IPC 1-7
F24F 11/02

IPC 8 full level
F24F 11/00 (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP US)
F24F 11/83 (2017.12 - EP); **F24F 11/84** (2017.12 - EP US); **F24F 11/86** (2017.12 - EP US); **F25B 13/00** (2013.01 - EP); **F24F 11/30** (2017.12 - EP); **F24F 2110/00** (2017.12 - EP); **F24F 2110/10** (2017.12 - EP); **F24F 2110/20** (2017.12 - EP); **F24F 2140/20** (2017.12 - EP); **F25B 2313/0312** (2013.01 - EP); **F25B 2313/0314** (2013.01 - EP); **F25B 2400/13** (2013.01 - EP); **F25B 2400/23** (2013.01 - EP); **F25B 2700/02** (2013.01 - EP); **F25B 2700/1931** (2013.01 - EP); **F25B 2700/1933** (2013.01 - EP); **F25B 2700/2104** (2013.01 - EP); **F25B 2700/2106** (2013.01 - EP)

Cited by
CN105352142A; US10281184B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
EP 1431677 A1 20040623; **EP 1431677 A4 20100224**; **EP 1431677 B1 20110629**; AT E514908 T1 20110715; AU 2002332260 B2 20050310; ES 2366535 T3 20111021; JP 3835453 B2 20061018; JP WO2003029728 A1 20050120; TW 571060 B 20040111; WO 03029728 A1 20030410

DOCDB simple family (application)
EP 02768028 A 20020924; AT 02768028 T 20020924; AU 2002332260 A 20020924; ES 02768028 T 20020924; JP 0209788 W 20020924; JP 2003532904 A 20020924; TW 91122392 A 20020927