

Title (en)

AIR CONDITIONER

Title (de)

KLIMAANLAGE

Title (fr)

DISPOSITIF D'AIR CONDITIONNE

Publication

**EP 1445548 A4 20080625 (EN)**

Application

**EP 02768098 A 20020926**

Priority

- JP 0209986 W 20020926
- JP 2001328983 A 20011026

Abstract (en)

[origin: EP1445548A1] The invention provides an air conditioner that can accomplish humidification with a minimal number of additional parts. The air conditioner is provided with a first heat exchanging section, a second heat exchanging section, a pressure adjusting mechanism, and a humidifying means. The first heat exchanging section and the second heat exchanging section are connected together in series and both are configured to function as either an evaporator or a condenser with respect to the refrigerant passing through the inside thereof. The pressure adjusting mechanism serves to connect the first heat exchanging section and second heat exchanging section together in series and is capable of adjusting the pressure of the refrigerant such that one of the heat exchanging sections functions as an evaporator and the other heat exchanging section functions as a condenser. The humidifying means serves to direct condensation water adhered to the outside surface of the first heat exchanging section to the vicinity of the outside surface of the second heat exchanging section so that the conditioned air is humidified after it exchanges heat with the second heat exchanging section. <IMAGE>

IPC 1-7

**F24F 1/00; F24F 1/02; F24F 6/00**

IPC 8 full level

**F24F 1/0063** (2019.01); **F24F 1/0067** (2019.01); **F24F 1/0071** (2019.01); **F24F 1/0083** (2019.01); **F24F 1/0087** (2019.01); **F24F 3/153** (2006.01); **F24F 6/00** (2006.01); **F24F 6/02** (2006.01); **F24F 13/20** (2006.01); **F24F 13/22** (2006.01); **F25B 5/04** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP KR US)

**F24F 1/00** (2013.01 - KR); **F24F 1/0057** (2019.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0067** (2019.01 - EP US); **F24F 1/0071** (2019.01 - EP US); **F24F 1/0083** (2019.01 - EP US); **F24F 1/0087** (2019.01 - EP US); **F24F 3/153** (2013.01 - EP); **F24F 6/00** (2013.01 - EP); **F25B 13/00** (2013.01 - EP); **F24F 2003/1452** (2013.01 - EP); **F25B 2313/0234** (2013.01 - EP)

Citation (search report)

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