

Title (en)
Air conditioner and method of controlling the air conditioner

Title (de)
Klimagerät und Steuerverfahren dafür

Title (fr)
Dispositif de conditionnement d'air et méthode pour sa commande

Publication
EP 0840071 A3 19980916 (EN)

Application
EP 97308769 A 19971031

Priority
JP 29088396 A 19961031

Abstract (en)
[origin: EP0840071A2] In an air conditioner (1), a refrigerant circulation cycle is constituted by sequentially connecting a compressor (2), an indoor heat exchanger (4) having an indoor fan (4a), a PMV and an outdoor heat exchanger (6) having an outdoor fan (6a). An alternative refrigerant having a saturated pressure higher than that of HCFC22(R22) at the same temperature is used as a refrigerant. The blowout angle of air blown out from the indoor fan (4a) is vertically regulated by lateral louvers. An indoor controller, a louver motor (LM) and a louver drive circuit are adapted to control, at the start of heating operation, the lateral louvers (27a,27b) so as to direct the air flow upward toward a ceiling side in the room and, when the indoor heat exchanger (4) reaches a state capable of executing heat exchange operation, adapted to control the lateral louvers (27a,27b) so as to direct the air flow downward toward a floor side in the room.

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F24F 11/00

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CPC (source: EP US)
F24F 1/0057 (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 11/79** (2017.12 - EP US); **F25B 2400/18** (2013.01 - EP)

Citation (search report)

- [PA] EP 0774631 A2 19970521 - SANYO ELECTRIC CO [JP]
- [A] US 4709554 A 19871201 - UMEMURA HIROYUKI [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 096, no. 010 31 October 1996 (1996-10-31)
- [PA] PATENT ABSTRACTS OF JAPAN vol. 097, no. 010 31 October 1997 (1997-10-31)
- [PA] PATENT ABSTRACTS OF JAPAN vol. 097, no. 009 30 September 1997 (1997-09-30)
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 031 (M - 192) 8 February 1983 (1983-02-08)
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 159 (M - 228) 13 July 1983 (1983-07-13)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 644 (M - 1718) 7 December 1994 (1994-12-07)

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