

Title (en)
AIR CONDITIONER

Title (de)
KLIMAAANLAGE

Title (fr)
APPAREIL DE CLIMATISATION

Publication
EP 1382917 A4 20070314 (EN)

Application
EP 02702856 A 20020308

Priority

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Abstract (en)

[origin: EP1382917A1] The object of the present invention is to provide a uniform wind speed distribution at the outlet of an indoor unit in an air conditioner having a centrifugal fan. In addition, another object of the present invention is to improve heat exchange efficiency without increasing the dimensions of the indoor unit. <??>The indoor unit 1 of the air conditioner comprises a casing 11, a heat exchanger 30, and a turbofan 40. Among the air passageways 35 that extend from the turbofan 40 to the outlets 20 via the heat exchanger 30, air passageways 35b, 35d, which extend from the turbofan 40 to the outlet 20 and oppose the direction of the wind from the turbofan 40, are narrower than other air passageways 35a, 35c.

<IMAGE>

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F24F 1/00

IPC 8 full level
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F24F 1/0022 (2013.01 - EP); **F24F 1/0035** (2019.01 - EP US); **F24F 1/0041** (2019.01 - EP US); **F24F 1/0047** (2019.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0067** (2019.01 - EP US); **F24F 2013/0616** (2013.01 - EP)

Citation (search report)

- [X] EP 0985889 A2 20000315 - HITACHI LTD [JP]
- [A] GB 2344878 A 20000621 - HITACHI LTD [JP]
- See references of WO 02081974A1

Cited by
EP2827071A4; EP1947397A4; EP1975519A4; EP3614064A4; US8230693B2; EP3614057A4; EP3798523A4

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