

Title (en)

HEAT EXCHANGER AND AIR CONDITIONER INDOOR UNIT

Title (de)

WÄRMETAUSCHER UND KLIMAANLAGENINNENRAUMEINHEIT

Title (fr)

UNITE D'ECHANGEUR DE CHALEUR ET DE CLIMATISEUR EN INTERIEUR

Publication

EP 1562002 A4 20081210 (EN)

Application

EP 03811094 A 20031110

Priority

- JP 0314274 W 20031110
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Abstract (en)

[origin: EP1562002A1] The present invention provides a heat exchanger and an indoor unit of an air conditioner that can both suppress a reduction in heat exchangeability and relax the error tolerance of the attachment angle of the heat exchange units. The indoor heat exchanger (50) is a heat exchanger (50) that is formed by connecting a plurality of heat exchangers (50a, 50b, 50c, 50d), disposed in the indoor unit (2) of an air conditioner, and includes a first indoor heat exchanger (50a), a second indoor heat exchanger (50b), a third indoor heat exchanger (50c), and a fourth indoor heat exchanger (50d). The third indoor heat exchanger (50c) is connected at an angle to one end of the first indoor heat exchanger (50a) and the second indoor heat exchanger (50b). The fourth indoor heat exchanger (50d) is connected at an angle to another end of the first indoor heat exchanger (50a) and the second indoor heat exchanger (50b). Then, the third indoor heat exchanger (50c) and the fourth indoor heat exchanger (50d) will have the same approximate height. <IMAGE>

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F24F 1/00

IPC 8 full level

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CPC (source: EP KR US)

F24F 1/00 (2013.01 - KR); **F24F 1/0063** (2019.01 - EP US); **F24F 13/30** (2013.01 - EP KR US)

Citation (search report)

- [X] JP 2001311530 A 20011109 - MATSUSHITA ELECTRIC IND CO LTD
- [X] JP H07208753 A 19950811 - TOSHIBA CORP
- [X] JP 2002221353 A 20020809 - MITSUBISHI ELECTRIC CORP
- [A] JP H06307665 A 19941101 - MATSUSHITA ELECTRIC IND CO LTD
- See references of WO 2004044497A1

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CN105841234A

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EP 1562002 A1 20050810; **EP 1562002 A4 20081210**; AU 2003277652 A1 20040603; AU 2003277652 B2 20060427; KR 100605923 B1 20060801; KR 20040097304 A 20041117; US 2005205238 A1 20050922; WO 2004044497 A1 20040527

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