

Title (en)

Air conditioner and indoor unit therefor

Title (de)

Klimaanlage und Innenraumeinheit dafür

Title (fr)

Dispositif de climatisation et unité d'intérieur pour celui-ci

Publication

EP 1245908 B1 20070117 (EN)

Application

EP 02006893 A 20020326

Priority

- JP 2001093884 A 20010328
- JP 2001093885 A 20010328
- JP 2001093886 A 20010328

Abstract (en)

[origin: EP1245908A2] An air conditioner provides an indoor unit (20) whose internal parts are optimally designed in dimensions and arrangement to satisfy prescribed relationships in order to actualize a noticeable reduction in noise without unwanted enlargement of dimensions. With respect to the distances L1 and L2 ranging from the tangential fan (25) to the stabilizer (26) and casing (28) respectively, the indoor unit is designed to satisfy at least one of the three relationships $L1 < L2$, $1.0s \leq L1 \leq 1.3s$, and $1.2s \leq L2 \leq 2.0s$. With respect to the distance L between the tangential fan and its proximate indoor heat exchanger (23a), the relationship of $2.5d \leq L \leq 3.5d$ is established. With respect to the distances L1 and L2 ranging from the tangential fan to the adjoining indoor heat exchangers (23a, 23b) respectively, the relationship of $1.5L1 \leq L2 \leq 3.5L1$ is established. <IMAGE>

IPC 8 full level

F24F 1/0087 (2019.01); **F24F 13/24** (2006.01)

CPC (source: EP US)

F24F 1/0025 (2013.01 - EP); **F24F 1/0057** (2019.01 - EP); **F24F 1/0087** (2019.01 - EP US); **F24F 13/24** (2013.01 - EP)

Cited by

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EP 1245908 A2 20021002; **EP 1245908 A3 20040707**; **EP 1245908 B1 20070117**; AT E352014 T1 20070215; CN 1185446 C 20050119; CN 1378056 A 20021106; DE 60217570 D1 20070308; ES 2276867 T3 20070701

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