

Title (en)
INDOOR UNIT FOR AIR CONDITIONER

Title (de)
INNENRAUMEINHEIT FÜR EINE KLIMAAANLAGE

Title (fr)
SECTION INTERIEURE POUR CONDITIONNEUR D'AIR

Publication
EP 1041351 A4 20010829 (EN)

Application
EP 98954796 A 19981124

Priority
• JP 9805263 W 19981124
• JP 34904197 A 19971218

Abstract (en)
[origin: EP1041351A1] An indoor unit for an air conditioner, which can efficiently distribute air discharged from a turbo fan and reduce noise, comprising a turbo fan (2) which is disposed in a casing (1) and discharges air, sucked from a front side thereof, radically outwardly relative to an axis, and air flow control members (11) mounted to outlets (21-24) provided on the casing (1) and each having a planar vane (12) and a plurality of curved vanes (13-15) arranged lengthwise of the planar vane (12), wherein the plurality of curved vanes (13-15) have curvatures gradually increasing from a rear side toward a front side in a direction of rotation of the turbo fan (2) and spacings between adjacent curved vanes becomes smaller from the back side toward the front side in the direction of rotation of the turbo fan (2). <IMAGE>

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IPC 8 full level
F24F 1/00 (2006.01); **F24F 1/0047** (2019.01); **F24F 1/0063** (2019.01); **F24F 13/06** (2006.01); **F24F 13/08** (2006.01); **F24F 13/10** (2006.01); **F24F 13/20** (2006.01)

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Citation (search report)
• [Y] DE 1013034 B 19570801 - PAUL POLLRICH & COMP
• [A] EP 0177723 A1 19860416 - SIEMENS AG [DE]
• [YA] PATENT ABSTRACTS OF JAPAN vol. 018, no. 660 (M - 1722) 14 December 1994 (1994-12-14)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 02 31 March 1995 (1995-03-31)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 11 26 December 1995 (1995-12-26)
• [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 072 (M - 013) 27 May 1980 (1980-05-27)
• [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 375 (M - 1010) 14 August 1990 (1990-08-14)
• See references of WO 9931443A1

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