

Title (en)
AIR CONDITIONER INDOOR UNIT AND METHOD OF ASSEMBLING THE SAME

Title (de)
KLIMAANLAGEN-INNENRAUMEINHEIT UND MONTAGEVERFAHREN DAFÜR

Title (fr)
UNITE INTERIEURE DE CONDITIONNEMENT D'AIR ET SON PROCEDE DE MONTAGE

Publication
EP 1568945 A4 20081210 (EN)

Application
EP 03811085 A 20031107

Priority
• JP 0314232 W 20031107
• JP 2002330328 A 20021114

Abstract (en)
[origin: US2005115264A1] The present invention provides an indoor unit of an air conditioner in which a heat exchanger can be easily installed and a method of assembling an indoor unit of an air conditioner. The indoor unit of the air conditioner includes a cross flow fan, an indoor heat exchanger, and a lower casing. The indoor heat exchanger has an approximate inverted V-shape in cross-section, auxiliary lines in which refrigerant flows that are connected thereto, and is disposed so as to cover the upper portion of the cross flow fan. The lower casing supports the cross flow fan. Then, each portion of the support unit is positioned at the height of the apex of the ventilation fan or lower.

IPC 1-7
F24F 1/00

IPC 8 full level
F24F 1/00 (2006.01); **F24F 1/0067** (2019.01); **F24F 13/20** (2006.01); **F24F 13/30** (2006.01)

CPC (source: EP KR US)
F24F 1/00 (2013.01 - KR); **F24F 1/0067** (2019.01 - EP US); **F24F 13/20** (2013.01 - EP US); **F24F 13/30** (2013.01 - KR); **F24F 2013/205** (2013.01 - EP US); **F24F 2013/207** (2013.01 - EP US)

Citation (search report)
• [XY] JP 2002213766 A 20020731 - MATSUSHITA ELECTRIC IND CO LTD
• [Y] JP H11211144 A 19990806 - MITSUBISHI HEAVY IND LTD
• [Y] JP S5438652 A 19790323 - TOKYO SHIBAURA ELECTRIC CO
• See references of WO 2004044496A1

Cited by
WO2022120947A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2005115264 A1 20050602; AU 2003277626 A1 20040603; AU 2003277626 B2 20051208; CN 100368734 C 20080213; CN 1692253 A 20051102; EP 1568945 A1 20050831; EP 1568945 A4 20081210; JP 2004163018 A 20040610; JP 3731070 B2 20060105; KR 100605843 B1 20060801; KR 20040086376 A 20041008; WO 2004044496 A1 20040527

DOCDB simple family (application)
US 50662604 A 20040903; AU 2003277626 A 20031107; CN 200380100260 A 20031107; EP 03811085 A 20031107; JP 0314232 W 20031107; JP 2002330328 A 20021114; KR 20047012547 A 20031107