Title (en)
: Air conditioning apparatus

Title (de)
: Klimaanlage

Title (fr)
: Appareil de climatisation

Publication
: **EP 2148145 B1 20130320 (EN)**

Application
: **EP 09009564 A 20090723**

Priority
- JP 2008191883 A 20080725
- JP 2008191884 A 20080725

Abstract (en)
: [origin: EP2148145A1] [Problem(s)] A disturbance of airflow of air that is heat-exchanged by a heat exchanger is prevented, and an airflow volume of air from two upper and lower outlets is appropriately distributed, stabilizing the airflow volume and restraining generation of noise. [Means for Solving the Problem(s)] Fan diameters of a pair of upper and lower cross-flow fans 4, 5 are made different from each other in an air conditioning apparatus 1, comprising: a heat exchanger 3; and a pair of upper and lower cross-flow fans 4, 5 in a housing 2 having a front inlet 8 and a side inlet 9 and an upper outlet 10 and a lower outlet 11, air flowing from the front inlet 8 and the side inlet 9 into the housing 2 being heat-exchanged by the heat exchanger 3, the heat-exchanged air being blown off from the upper outlet 10 and the lower outlet 11 by means of the pair of the upper and lower cross-flow fans 4, 5. A top portion 17C of an air trunk guide 17 is shifted downwardly of a central position between a center of the cross-flow fan 4 and a center of the cross-flow fan 5, and is shifted to a lower side with respect to a center of the air trunk guide 17.

IPC 8 full level
: **F24F 1/0053** (2019.01); **F24F 13/08** (2006.01)

CPC (source: EP US)
: **F24F 1/0025** (2013.01 - EP); **F24F 1/0033** (2013.01 - EP); **F24F 1/005** (2019.01 - EP); **F24F 1/0053** (2019.01 - EP US); **F24F 13/081** (2013.01 - EP)

Cited by
: CN104110812A; CN103574772A; CN104296351A; CN108916993A; CN105352153A; CN108870540A; CN106556066A; CN110160144A; EP3168546A4; RU2683342C1; US10634384B2

Designated contracting state (EPC)
: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
: **EP 2148145 A1 20100127**; **EP 2148145 B1 20130320**

DOCDB simple family (application)
: **EP 09009564 A 20090723**