

Title (en)
INDOOR MACHINE OF AIR CONDITIONER

Title (de)
INNENRAUMMASCHINE EINER KLIMAAANLAGE

Title (fr)
MACHINE INTÉRIEURE DE CLIMATISEUR

Publication
EP 2327938 A1 20110601 (EN)

Application
EP 09808319 A 20090821

Priority
• JP 2009064667 W 20090821
• JP 2008214448 A 20080822

Abstract (en)
An airstream direction guide device (F) including a discharge port (6) includes an up/down airstream direction louver (7A), which controls an up/down discharge direction of heat-exchanged air, and right/left airstream direction louvers (7B), which are attached to the up/down airstream direction louver (7A) and control a right/left discharge direction of the heat-exchanged air, wherein the right/left airstream direction louvers (7B) are formed to have a length in a depth direction longer than that in a vertical direction and the same as or longer than a length of the up/down airstream direction louver (7A) in the depth direction, the up/down airstream direction louver (7A) is caused to take an approximately horizontal attitude and the right/left airstream direction louvers (7B) are positioned on an upper surface side of the up/down airstream direction louver (7B) and perform a horizontal discharge guide, and the up/down airstream direction louver (7A) is caused to take an approximately vertical attitude, and the right/left airstream direction louvers (7B) are positioned on a back surface side of the up/down airstream direction louver (7A) and perform a downward discharge guide so that a horizontal discharge guide in the cooling operation and a downward discharge guide in the warming operation can be securely and efficiently switched, airstream direction guide characteristics can be improved, and the heat-exchanged air can be smoothly distributed.

IPC 8 full level
F24F 13/15 (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 1/0057** (2019.01); **F24F 13/15** (2013.01)

Cited by
AU2018339379B2; JP2013015311A; EP3593060A4; EP4296589A4; AU2021203066B2; EP3667193A4; RU2508511C1; EP2557367A3; US2021033288A1; EP3450870A4; EP3812660A4; EP3964765A4; US11300320B2; US11029058B2; US11448419B2; WO2018199516A1; US11226131B2

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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

Designated extension state (EPC)
AL BA RS

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DOCDB simple family (application)
EP 09808319 A 20090821; CN 200980132274 A 20090821; JP 2009064667 W 20090821; JP 2010525717 A 20090821